

SCORE Search Results Details for Application 10552515 and Search Result 20081001_124547_us-10-552-515-2.rnpbm.

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This page gives you Search Results detail for the Application 10552515 and Search Result 20081001_124547_us-10-552-515-2.rnpbm.

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GenCore version 6.2.1

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OM nucleic - nucleic search, using sw model

Run on: October 1, 2008, 14:22:20 ; Search time 8231 Seconds
(without alignments)
10874.431 Million cell updates/sec

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Gapop 10.0 , Gapext 1.0

Searched: 37163230 seqs, 13528936759 residues

Total number of hits satisfying chosen parameters: 74326460

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

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	2	2779.8	84.0	4244	29	US-11-599-845A-699	Sequence 699, App
	3	2582.8	78.1	4431	29	US-11-599-845A-697	Sequence 697, App
	4	1961.8	59.3	2697	11	US-10-450-763-15479	Sequence 15479, A
	5	1961.8	59.3	2697	17	US-10-302-689A-129623	Sequence 129623,
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	8	636.6	19.2	2125	3	US-09-957-708-19	Sequence 19, Appl
	9	636.6	19.2	2125	21	US-11-230-251-19	Sequence 19, Appl
	10	630.4	19.1	1567	21	US-11-266-748A-50164	Sequence 50164, A
	11	630.4	19.1	1567	29	US-11-599-845A-696	Sequence 696, App
	12	630.4	19.1	2352	26	US-11-443-428A-88595	Sequence 88595, A
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	14	559	16.9	917	21	US-11-266-748A-284040	Sequence 284040,
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c	18	461	13.9	729	21	US-11-266-748A-178976	Sequence 178976,
	19	461	13.9	1549	17	US-10-302-689A-66069	Sequence 66069, A
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	22	461	13.9	2175	26	US-11-443-428A-88594	Sequence 88594, A
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	30	459	13.9	14172	11	US-10-995-561-13226	Sequence 13226, A
	31	459	13.9	14196	11	US-10-995-561-13429	Sequence 13429, A
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	33	429.6	13.0	3272	21	US-11-177-894-6	Sequence 6, Appli
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	36	414	12.5	3897	26	US-11-443-428A-7194	Sequence 7194, Ap
	37	414	12.5	3950	26	US-11-443-428A-7191	Sequence 7191, Ap
	38	412.4	12.5	4498	21	US-11-177-894-1	Sequence 1, Appli
	39	404.4	12.2	3432	21	US-11-177-894-5	Sequence 5, Appli
	40	376.4	11.4	1635	21	US-11-266-748A-185062	Sequence 185062,
	41	376.4	11.4	1635	21	US-11-266-748A-192560	Sequence 192560,
	42	361.4	10.9	426	17	US-10-302-689A-85426	Sequence 85426, A
	43	339.6	10.3	2855	21	US-11-266-748A-32546	Sequence 32546, A
	44	338	10.2	2826	26	US-11-443-428A-628861	Sequence 628861,
	45	338	10.2	2831	7	US-10-066-543-1421	Sequence 1421, Ap

ALIGNMENTS

RESULT 1

US-10-552-515-2

; Sequence 2, Application US/10552515

; Publication No. US20060194204A1

; GENERAL INFORMATION:

; APPLICANT: The Government of the United States of America as

; APPLICANT: represented by the Secretary of the Department of Health and

; APPLICANT: Human Services

; APPLICANT: Bera, Tapan K.

; APPLICANT: Pastan, Ira H.

; APPLICANT: Lee, Byungkook

; TITLE OF INVENTION: GENE EXPRESSED IN PROSTATE CANCER AND METHODS OF USE

; FILE REFERENCE: 4239-68223-02

; CURRENT APPLICATION NUMBER: US/10/552,515

; CURRENT FILING DATE: 2005-10-06

; PRIOR APPLICATION NUMBER: PCT/US2004/10588

; PRIOR FILING DATE: 2004-04-05

; PRIOR APPLICATION NUMBER: 60/461,399

; PRIOR FILING DATE: 2003-04-08

; NUMBER OF SEQ ID NOS: 12

; SOFTWARE: PatentIn version 3.2

; SEQ ID NO 2

; LENGTH: 3308

; TYPE: DNA

; ORGANISM: Artificial Sequence

; FEATURE:

; OTHER INFORMATION: Splice Variant-Novel Gene Expressed in Prostate

US-10-552-515-2

Query Match 100.0%; Score 3308; DB 14; Length 3308;

Best Local Similarity 100.0%; Pred. No. 0;
Matches 3308; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Qy	61	CTCCCTGCCTGCTTCTTGCCCCACTTGACAGGCAAGGTGAGGGCATGCGAATGGCTGCCA	120
Db	61	CTCCCTGCCTGCTTCTTGCCCCACTTGACAGGCAAGGTGAGGGCATGCGAATGGCTGCCA	120
Qy	121	CTGCCTGGGCGGGGCTCCAAGGGCCACCCCTCCCCACCCTCTGTCCCGCAGTGAGGACGG	180
Db	121	CTGCCTGGGCGGGGCTCCAAGGGCCACCCCTCCCCACCCTCTGTCCCGCAGTGAGGACGG	180
Qy	181	GACTCTACTGCCGAGACCAGGCTCACGCTGAGAGGTGGGCCATGACCTCCGAGACCTCTT	240
Db	181	GACTCTACTGCCGAGACCAGGCTCACGCTGAGAGGTGGGCCATGACCTCCGAGACCTCTT	240
Qy	241	CCGGAAGCCACTGTGCCAGGAGCAGGATGCTGCGGCGACGGGCCAGGAAGAGGACAGCA	300
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Qy	301	CCGTCCTGATCGATGTGAGCCCCCTGAGGCAGAGAAGAGGGGCTCTTACGGGAGCACAG	360
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Qy	361	CCACGCCTCGGAGCCAGGTGGACAGCAAGCGGCCGCTGCAGAGCTGGGAGTCTCTGCCA	420
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Qy	781	AGTACTACTCCTGCCGGTTTCAGAGTGAACAAGCTGCCACGCTTCTCGGGAGTGACAAACC	840
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RESULT 2

US-11-599-845A-699

; Sequence 699, Application US/11599845A

; Publication No. US20080025981A1

; GENERAL INFORMATION:

; APPLICANT: Young, Paul E.

; APPLICANT: Ebner, Reinhard

; APPLICANT: Weaver, Zoe

; APPLICANT: Strovel, Jeffrey W.

; APPLICANT: Horrigan, Stephen K.

; APPLICANT: Shea, Martin

; APPLICANT: Weigle, Bernd

; APPLICANT: Rieger, Michael

; APPLICANT: Rick, Jennifer A.

; APPLICANT: Cain, Colyn B.

; TITLE OF INVENTION: Cancer-linked Genes as Target for Chemotherapy

; FILE REFERENCE: 689290-273

; CURRENT APPLICATION NUMBER: US/11/599,845A

; CURRENT FILING DATE: 2006-11-15

; PRIOR APPLICATION NUMBER: 10/585,466

; PRIOR FILING DATE: 2005-01-04

; PRIOR APPLICATION NUMBER: PCT/US2005/000040

; PRIOR FILING DATE: 2005-01-04

; PRIOR APPLICATION NUMBER: 10/583,832

; PRIOR FILING DATE: 2004-12-16

; PRIOR APPLICATION NUMBER: PCT/US2004/42406

; PRIOR FILING DATE: 2004-12-16

; PRIOR APPLICATION NUMBER: 10/575,337

; PRIOR FILING DATE: 2004-10-07

; PRIOR APPLICATION NUMBER: PCT/US2004/33072

; PRIOR FILING DATE: 2004-10-07

; PRIOR APPLICATION NUMBER: 10/540,310

; PRIOR FILING DATE: 2003-12-19

; PRIOR APPLICATION NUMBER: PCT/US2003/40710

; PRIOR FILING DATE: 2003-12-19

; PRIOR APPLICATION NUMBER: 10/518,039

; PRIOR FILING DATE: 2003-06-10

; PRIOR APPLICATION NUMBER: PCT/US2003/19741

; PRIOR FILING DATE: 2003-06-10

; Remaining Prior Application data removed - See File Wrapper or PALM.

; NUMBER OF SEQ ID NOS: 769

; SOFTWARE: PatentIn version 3.0

; SEQ ID NO 699
 ; LENGTH: 4244
 ; TYPE: DNA
 ; ORGANISM: Homo sapiens
 US-11-599-845A-699

Query Match 84.0%; Score 2779.8; DB 29; Length 4244;
 Best Local Similarity 89.0%; Pred. No. 0;
 Matches 3205; Conservative 0; Mismatches 2; Indels 394; Gaps 3;

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Qy     153  CCCACCTCTGTCCCGCAGTGAGGACGGGACTCTACTGCCGAGACCAGGCTCACGCTGAG 212
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Db     61  CCCACCTCTGTCCCGCAGTGAGGACGGGACTCTACTGCCGAGACCAGGCTCACGCTGAG 120

Qy     213  AGGTGGGCCATGACCTCCGAGACCTCTTCCGGAAGCCACTGTGCCAGGAGCAGGATGCTG 272
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Db     121  AGGTGGGCCATGACCTCCGAGACCTCTTCCGGAAGCCACTGTGC-----CAGGATGCTG 174

Qy     273  CGGCGACGGGCCCAGGAAGAGGACAGCACCGTCTTGATCGATGTGAGCCCCCTGAGGCA 332
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Db     175  CGGCGACGGGCCCAGGAAGAGGACAGCACCGTCTTGATCGATGTGAGCCCCCTGAGGCA 234

Qy     333  GAGAAGAGGGGCTCTTACGGGAGCACAGCCACGCCTCGGAGCCAGGTGGACAGCAAGCG 392
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Db     235  GAGAAGAGGGGCTCTTACGGGAGCACAGCCACGCCTCGGAGCCAGGTGGACAGCAAGCG 294

Qy     393  GCCGCCTGCAGAGCTGGGAGTCTTGCCAAAGCCCCGGATCGCAGACTTCGTCTCGTTTG 452
      |||
Db     295  GCCGCCTGCAGAGCTGGGAGTCTTGCCAAAGCCCCGGATC---GACTTCGTCTCGTTTG 351

Qy     453  GAGGAGGACCTGAAGCTAGACAGGCAGCAGGACAGTGCCGCCCGGGACAGAACAGACATG 512
      |||
Db     352  GAGGAGGACCTGAAGCTAGACAGGCAGCAGGACAGTGCCGCCCGGGACAGAACAGACATG 411

Qy     513  CACAGGACCTGGCGGGAGACTTTTCTGGATAATCTTCGTGCGGCTGGGCTGTGTGTAGAC 572
      |||
Db     412  CACAGGACCTGGCGGGAGACTTTTCTGGATAATCTTCGTGCGGCTGGGCTGTGTGTAGAC 471

Qy     573  CAGCAGGACGTCCAGGACGGGAACACCACAGTGACACTACGCCCTCCTCAGCGCCTCCTGG 632
      |||
Db     472  CAGCAGGACGTCCAGGACGGGAACACCACAGTGACACTACGCCCTCCTCAGCGCCTCCTGG 531

Qy     633  GCTGTGCTCTGCTACTACGCCGAAGACCTGCGCCTGAAGCTGCCCTTGCAGGAGTTACCC 692
      |||
Db     532  GCTGTGCTCTGCTACTACGCCGAAGACCTGCGCCTGAAGCTGCCCTTGCAGGAGTTACCC 591

Qy     693  AACCAGGCCTCCAACCTGGTCGGCCGGCCTGCTGGCATGGCTGGGCATCCCCAACGTCCTG 752
      |||
Db     592  AACCAGGCCTCCAACCTGGTCGGCCGGCCTGCTGGCATGGCTGGGCATCCCCAACGTCCTG 651

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Qy	753	CTGGAGGTTGTGCCAGACGTACCCCCGAGTACTACTCTGCGCGTTTCAGAGTGAACAAG	812
Db	652	CTGGAGGTTGTGCCAGACGTACCCCCGAGTACTACTCTGCGCGTTTCAGAGTGAACAAG	711
Qy	813	CTGCCACGCTTCCTCGGGAGTGACAACAGGACACCTTCTTACAAGCACCAAGAGGCAC	872
Db	712	CTGCCACGCTTCCTCGGGAGTGACAACAGGACACCTTCTTACAAGCACCAAGAGGCAC	771
Qy	873	CAAAATTCTGTTTGAGATCTCGGCCAAGACCCCGTATGGCCACGAGAAGAAAAACCTGCTT	932
Db	772	CAAAATTCTGTTTGAGATCTCGGCCAAGACCCCGTATGGCCACGAGAAGAAAAACCTGCTT	831
Qy	933	GGGATCCACCAGCTGCTGGCAGAGGGTGTCTCTAGTGCCGCCTTCCCCCTGCATGACGGC	992
Db	832	GGGATCCACCAGCTGCTGGCAGAGGGTGTCTCTAGTGCCGCCTTCCCCCTGCATGACGGC	891
Qy	993	CCCTTCAAGACGCCCCCAGAGGGCCCGCAGGCTCCACGCCTCAACCAGCGCCAAGTCCTT	1052
Db	892	CCCTTCAAGACGCCCCCAGAGGGCCCGCAGGCTCCACGCCTCAACCAGCGCCAAGTCCTT	951
Qy	1053	TTCCAGCACTGGGCGCGCTGGGGCAAGTGAACAAGTACCAGCCCCTGGACCACGTGCGC	1112
Db	952	TTCCAGCACTGGGCGCGCTGGGGCAAGTGAACAAGTACCAGCCCCTGGACCACGTGCGC	1011
Qy	1113	AGGTACTTTCGGGAGAAAGTGGCCCTCTACTTCGCCTGGCTCGGGTTTTACACAGGCTGG	1172
Db	1012	AGGTACTTTCGGGAGAAAGTGGCCCTCTACTTCGCCTGGCTCGGGTTTTACACAGGCTGG	1071
Qy	1173	CTCCTGCCAGCGGCAGTGGTGGGCACACTGGTGTCTCTGGTGGGCTGCTTCTGGTGTTC	1232
Db	1072	CTCCTGCCAGCGGCAGTGGTGGGCACACTGGTGTCTCTGGTGGGCTGCTTCTGGTGTTC	1131
Qy	1233	TCAGACATACCCACGCAGGAACGTGTGGCAGCAAGACAGCTTCGAGATGTGCCACTT	1292
Db	1132	TCAGACATACCCACGCAGGAACGTGTGTGGCAGCAAGACAGCTTCGAGATGTGCCACTT	1191
Qy	1293	TGCCTCGACTGCCCTTTCTGGCTGCTCTCCAGCGCCTGTGCCCTGGCCCAGGCCGGCCG	1352
Db	1192	TGCCTCGACTGCCCTTTCTGGCTGCTCTCCAGCGCCTGTGCCCTGGCCCAGGCCGGCCG	1251
Qy	1353	CTGTTTCGACCACGGCGGCACCGTGTCTTCAGCTTGTTCATGGCACTGTGGCCGTGCTG	1412
Db	1252	CTGTTTCGACCACGGCGGCACCGTGTCTTCAGCTTGTTCATGGCACTGTGGCCGTGCTG	1311
Qy	1413	CTGCTGGAGTACTGGAAGCGGAAGAGCGCCACGCTGGCCTACCCTGGGACTGCTCTGAC	1472
Db	1312	CTGCTGGAGTACTGGAAGCGGAAGAGCGCCACGCTGGCCTACCCTGGGACTGCTCTGAC	1371
Qy	1473	TACGAGGACACTGAGGAGAGGCCCTCGGCCCCAGTTTGCCGCCTCAGCCCCCATGACAGCC	1532
Db	1372	TACGAGGACACTGAGGAGAGGCCCTCGGCCCCAGTTTGCCGCCTCAGCCCCCATGACAGCC	1431
Qy	1533	CCGAACCCCATCAGGGGTGAGGACGAGCCCTACTTCCCTGAGAGGAGCCGCGCGCGCCG	1592

Db	1432	CCGAACCCCATCACGGGTGAGGACGAGCCCTACTTCCCTGAGAGGAGCCGCGCGCGCCG	1491
Qy	1593	ATGCTGGCCGGCTCTGTGGTGATCGTGGTGATGGTGGCCGTGGTGGTCATGTGCCTCGTG	1652
Db	1492	ATGCTGGCCGGCTCTGTGGTGATCGTGGTGATGGTGGCCGTGGTGGTCATGTGCCTCGTG	1551
Qy	1653	TCTATCATCTGTACCGTGCCATCATGGCCATCGTGGTGTCAGGTGCGGCAACACCCCTT	1712
Db	1552	TCTATCATCTGTACCGTGCCATCATGGCCATCGTGGTGTCAGGTGCGGCAACACCCCTT	1611
Qy	1713	CTCGCAGCCTGGGCTCTCGCATCGCCAGCCTCACGGGGTCTGTAGTGAACCTCGTCTTC	1772
Db	1612	CTCGCAGCCTGGGCTCTCGCATCGCCAGCCTCACGGGGTCTGTAGTGAACCTCGTCTTC	1671
Qy	1773	ATCCTCATCTCTCCAAGATCTATGTATCCCTGGCCACAGTCTGACACGATGGGAAATG	1832
Db	1672	ATCCTCATCTCTCCAAGATCTATGTATCCCTGGCCACAGTCTGACACGATGGGAAATG	1731
Qy	1833	CACCGCACCCAGACCAAGTTTCGAGGACGCCTTACCCTCAAGGTGTTTCATCTTCCAGTTC	1892
Db	1732	CACCGCACCCAGACCAAGTTTCGAGGACGCCTTACCCTCAAGGTGTTTCATCTTCCAGTTC	1791
Qy	1893	GTCAACTTCTACTCTCACCCGCTTACATTGCCTTCTTCAAGGGCAGGTTTGTGGGATAC	1952
Db	1792	GTCAACTTCTACTCTCACCCGCTTACATTGCCTTCTTCAAGGGCAGGTTTGTGGGATAC	1851
Qy	1953	CCAGGCAACTACCACACCTTGTGTTGGAGTCCGCAATGAGGAGTGC GCGGGCTGGAGGCTGC	2012
Db	1852	CCAGGCAACTACCACACCTTGTGTTGGAGTCCGCAATGAGGAGTGC GCGGGCTGGAGGCTGC	1911
Qy	2013	CTGATCGAGCTGGCACAGGAGCTCCTGGTCATCATGGTGGGCAAGCAGGTCATCAACAAC	2072
Db	1912	CTGATCGAGCTGGCACAGGAGCTCCTGGTCATCATGGTGGGCAAGCAGGTCATCAACAAC	1971
Qy	2073	ATGCAGGAGGTCTCATCCCGAAGCTAAAGGGCTGGTGGCAGAAGTTCCGGCTTCGCTCC	2132
Db	1972	ATGCAGGAGGTCTCATCCCGAAGCTAAAGGGCTGGTGGCAGAAGTTCCGGCTTCGCTCC	2031
Qy	2133	AAGAAGAGGAAGGCGGGAGCTTCTGCAGGGGCTAGCCAGGGGCCCTGGGAGGACGACTAT	2192
Db	2032	AAGAAGAGGAAGGCGGGAGCTTCTGCAGGGGCTAGCCAGGGGCCCTGGGAGGACGACTAT	2091
Qy	2193	GAGCTTGTGCCCTGTGAGGGTCTGTTTGACGAGTACCTGGAATGTTGCTGCAGTTCCGGC	2252
Db	2092	GAGCTTGTGCCCTGTGAGGGTCTGTTTGACGAGTACCTGGAATGTTGCTGCAGTTCCGGC	2151
Qy	2253	TTCGTACCACATCTTCGTGGCCGCTGTCCGCTCGCGCCGCTCTTCGCCCTGCTCAACAAC	2312
Db	2152	TTCGTACCACATCTTCGTGGCCGCTGTCCGCTCGCGCCGCTCTTCGCCCTGCTCAACAAC	2211
Qy	2313	TGGGTGGAGATCCGCTTGGACGCGCGCAAGTTCGTCTGCGAGTACCGGCGCCCTGTGGCC	2372
Db	2212	TGGGTGGAGATCCGCTTGGACGCGCGCAAGTTCGTCTGCGAGTACCGGCGCCCGGTGGCC	2271

Qy	2373	GAGCGCGCCAGGACATCGGCATCTGGTTCCACATCCTGGCGGGCCTCACGCACCTGGCG	2432
Db	2272	GAGCGCGCCAGGACATCGGCATCTGGTTCCACATCCTGGCGGGCCTCACGCACCTGGCG	2331
Qy	2433	GTATCAGCAACGCCTTCCTCCTGGCCTTCTCGTCCGACTTCTGCGCGCGCCTACTAC	2492
Db	2332	GTATCAGCAACGCCTTCCTCCTGGCCTTCTCGTCCGACTTCTGCGCGCGCCTACTAC	2391
Qy	2493	CGGTGGACCCGCGCCACGACCTGCGCGGCTTCTCAACTTCACGCTGGCGCGAGCCCCG	2552
Db	2392	CGGTGGACCCGCGCCACGACCTGCGCGGCTTCTCAACTTCACGCTGGCGCGAGCCCCG	2451
Qy	2553	TCCTCCTTCGCGCGCGCACAACCGCACGTGCAGGTATCGGGCTTTCCGGGATGACGAT	2612
Db	2452	TCCTCCTTCGCGCGCGCACAACCGCACGTGCAGGTATCGGGCTTTCCGGGATGACGAT	2511
Qy	2613	GGACATTATTCAGACCTACTGGAATCTTCTTGCCATCCGCCTGGCCTTCGTCATTGTG	2672
Db	2512	GGACATTATTCAGACCTACTGGAATCTTCTTGCCATCCGCCTGGCCTTCGTCATTGTG	2571
Qy	2673	TTTG-----	2676
Db	2572	TTTGAGGTAGCCGAGGCACCTGCTGGTTCTCCCATCCATGGCATGAGGCCCCGACCCTGT	2631
Qy	2677	-----	2676
Db	2632	GCTTTGCCTAATTCAGACAGCTGGTGAGGGGTCGGTGCCGTCACCTTCTGCTGTGTATC	2691
Qy	2677	-----	2676
Db	2692	TTGGTCAAATCAGAGCTCTTCTCTGCACCTGCGTTTTCCCTGCCTGGCCTCATCCCTGGG	2751
Qy	2677	-----	2676
Db	2752	TTGTGGTGTGGACATTGTGGGTGTCTCCACAGGAGCCCCAGGGCCACGAAAGCTGGGGTG	2811
Qy	2677	-----	2676
Db	2812	GCCTCTGCCCCCTTCTGGGGTTCTTTTCTGCACAGCTGCTTTCTGACTCCACCCACAGC	2871
Qy	2677	-----	2676
Db	2872	TGGGAGCAGGTGCGGAGCCCCGGCCTGCCTGGCCCTGTGAAGGCCACTCTGGGCGTTTG	2931
Qy	2677	-----AGCATGTGGTTTTCTCCGTTGGCCGCCTCCT	2707
Db	2932	GGTGGGCGTGAGTGCCTTCTCTGCTCCAGCATGTGGTTTTCTCCGTTGGCCGCCTCCT	2991
Qy	2708	GGACCTCCTGGTGCCTGACATCCAGAGTCTGTGGAGATCAAAGTGAAGCGGGAGTACTA	2767
Db	2992	GGACCTCCTGGTGCCTGACATCCAGAGTCTGTGGAGATCAAAGTGAAGCGGGAGTACTA	3051
Qy	2768	CCTGGCTAAGCAGGCACTGGCTGAGAATGAGGTTCTTTTGGAAACGAACGAACAAAGGA	2827

Db	3052	CCTGGCTAAGCAGGCACTGGCTGAGAATGAGGTTCTTTTGAACGAACGGAACAAAGGA	3111
Qy	2828	TGAGCAGCCCAAGGGCTCAGAGCTCAGCTCCCACTGGACACCCTTCACGGTTCCCAAGGC	2887
Db	3112	TGAGCAGCCGAGGGCTCAGAGCTCAGCTCCCACTGGACACCCTTCACGGTTCCCAAGGC	3171
Qy	2888	CAGCCAGCTGCAGCAGTGACGCCTGGAAGGACATCTGGTGGTCTTAGGGAGTGGGCCC	2947
Db	3172	CAGCCAGCTGCAGCAGTGACGCCTGGAAGGACATCTGGTGGTCTTAGGGAGTGGGCCC	3231
Qy	2948	TCCTGAGCCCTGCGAGCAGCGTCCTTTTCTCTTCCCTCAGGCAGCGGCTGTGTGAACCG	3007
Db	3232	TCCTGAGCCCTGCGAGCAGCGTCCTTTTCTCTTCCCTCAGGCAGCGGCTGTGTGAACCG	3291
Qy	3008	CTGGCTGCTGTTGTGCCTCATCTCTGGGCACATTGCCTGCTTCCCCCAGCGCCGGCTTC	3067
Db	3292	CTGGCTGCTGTTGTGCCTCATCTCTGGGCACATTGCCTGCTTCCCCCAGCGCCGGCTTC	3351
Qy	3068	TCTCCTCAGAGCGCCTGTCACTCCATCCCCGGCAGGGAGGGACCGTCAGCTCACAAGGCC	3127
Db	3352	TCTCCTCAGAGCGCCTGTCACTCCATCCCCGGCAGGGAGGGACCGTCAGCTCACAAGGCC	3411
Qy	3128	CTCTTTGTTTCTGCTCCCAGACATAAGCCCAAGGGGCCCTGCACCCAAGGGACCTGT	3187
Db	3412	CTCTTTGTTTCTGCTCCCAGACATAAGCCCAAGGGGCCCTGCACCCAAGGGACCTGT	3471
Qy	3188	CCCTCGGTGGCCTCCCCAGGCCCTGGACACGACAGTTCTCCTCAGGCAGGTGGGCTTTG	3247
Db	3472	CCCTCGGTGGCCTCCCCAGGCCCTGGACACGACAGTTCTCCTCAGGCAGGTGGGCTTTG	3531
Qy	3248	TGGTCTCTGCGCGCCCTGGCCACATCGCCCTCTCCTCTTACACCTGGTGACCTTCGAATG	3307
Db	3532	TGGTCTCTGCGCGCCCTGGCCACATCGCCCTCTCCTCTTACACCTGGTGACCTTCGAATG	3591
Qy	3308	T 3308	
Db	3592	T 3592	

RESULT 3

US-11-599-845A-697

; Sequence 697, Application US/11599845A

; Publication No. US20080025981A1

; GENERAL INFORMATION:

; APPLICANT: Young, Paul E.

; APPLICANT: Ebner, Reinhard

; APPLICANT: Weaver, Zoe

; APPLICANT: Strovel, Jeffrey W.

; APPLICANT: Horrigan, Stephen K.

; APPLICANT: Shea, Martin

; APPLICANT: Weigle, Bernd

; APPLICANT: Rieger, Michael

; APPLICANT: Rick, Jennifer A.

; APPLICANT: Cain, Colyn B.

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; TITLE OF INVENTION: Cancer-linked Genes as Target for Chemotherapy
; FILE REFERENCE: 689290-273
; CURRENT APPLICATION NUMBER: US/11/599,845A
; CURRENT FILING DATE: 2006-11-15
; PRIOR APPLICATION NUMBER: 10/585,466
; PRIOR FILING DATE: 2005-01-04
; PRIOR APPLICATION NUMBER: PCT/US2005/000040
; PRIOR FILING DATE: 2005-01-04
; PRIOR APPLICATION NUMBER: 10/583,832
; PRIOR FILING DATE: 2004-12-16
; PRIOR APPLICATION NUMBER: PCT/US2004/42406
; PRIOR FILING DATE: 2004-12-16
; PRIOR APPLICATION NUMBER: 10/575,337
; PRIOR FILING DATE: 2004-10-07
; PRIOR APPLICATION NUMBER: PCT/US2004/33072
; PRIOR FILING DATE: 2004-10-07
; PRIOR APPLICATION NUMBER: 10/540,310
; PRIOR FILING DATE: 2003-12-19
; PRIOR APPLICATION NUMBER: PCT/US2003/40710
; PRIOR FILING DATE: 2003-12-19
; PRIOR APPLICATION NUMBER: 10/518,039
; PRIOR FILING DATE: 2003-06-10
; PRIOR APPLICATION NUMBER: PCT/US2003/19741
; PRIOR FILING DATE: 2003-06-10
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 769
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 697
; LENGTH: 4431
; TYPE: DNA
; ORGANISM: Homo sapiens
US-11-599-845A-697

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Query Match          78.1%; Score 2582.8; DB 29; Length 4431;
Best Local Similarity 84.6%; Pred. No. 0;
Matches 3205; Conservative 0; Mismatches 2; Indels 581; Gaps 4;

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Qy      93 CAAGGTGAGGGCATGCGAATGGCTGCCACTGCCTGGGCGGGGCTCCAAGGGCCACCCCTC 152
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Db      1 CAAGGTGAGGGCATGCGAATGGCTGCCACTGCCTGGGCGGGGCTCCAAGGGCCACCCCTC 60

Qy      153 CCCACCTCTGTCCCGCAGTGAGGACGGGACTCTACTGCCGAGACCAGGCTCACGCTGAG 212
        |||
Db      61 CCCACCTCTGTCCCGCAGTGAGGACGGGACTCTACTGCCGAGACCAGGCTCACGCTGAG 120

Qy      213 AGGTGGGCCATGACCTCCGAGACCTCTTCCGGAAGCCACTGTGCCAGGAGCAGGATGCTG 272
        |||
Db      121 AGGTGGGCCATGACCTCCGAGACCTCTTCCGGAAGCCACTGTGC-----CAGGATGCTG 174

Qy      273 CGGCGACGGGCCAGGAAGAGGACAGCACCGTCTGATCGATGTGAGCCCCCTGAGGCA 332
        |||
Db      175 CGGCGACGGGCCAGGAAGAGGACAGCACCGTCTGATCGATGTGAGCCCCCTGAGGCA 234

Qy      333 GAGAAGAGGGCTCTTACGGGAGCACAGCCCACGCCTCGGAGCCAGGTGGACAGCAAGCG 392

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Qy	1173	CTCCTGCCAGCGGCAGTGGTGGGCACACTGGTGTTCCTGGTGGGCTGCTTCCTGGTGTTC	1232
Db	1072	CTCCTGCCAGCGGCAGTGGTGGGCACACTGGTGTTCCTGGTGGGCTGCTTCCTGGTGTTC	1131
Qy	1233	TCAGACATACCCACGCAGGAAGTGTGTGGCAGCAAGGACAGCTTCGAGATGTGCCACTT	1292
Db	1132	TCAGACATACCCACGCAGGAAGTGTGTGGCAGCAAGGACAGCTTCGAGATGTGCCACTT	1191
Qy	1293	TGCCTCGACTGCCCTTTCTGGCTGCTCTCCAGCGCCTGTGCCCTGGCCCAGGCCGCCGG	1352
Db	1192	TGCCTCGACTGCCCTTTCTGGCTGCTCTCCAGCGCCTGTGCCCTGGCCCAGGCCGCCGG	1251
Qy	1353	CTGTTTCGACCACGGCGGCACCGTGTCTTTCAGCTTGTTCATGGCACTGTGGGCCGTGCTG	1412
Db	1252	CTGTTTCGACCACGGCGGCACCGTGTCTTTCAGCTTGTTCATGGCACTGTGGGCCGTGCTG	1311
Qy	1413	CTGCTGGAGTACTGGAAGCGGAAGAGCGCCACGCTGGCCTACCGCTGGGACTGCTCTGAC	1472
Db	1312	CTGCTGGAGTACTGGAAGCGGAAGAGCGCCACGCTGGCCTACCGCTGGGACTGCTCTGAC	1371
Qy	1473	TACGAGGACACTGAGGAGAGGCCCTCGGCCCCAGTTTGGCCGCTCAGCCCCATGACAGCC	1532
Db	1372	TACGAGGACACTGAGGAGAGGCCCTCGGCCCCAGTTTGGCCGCTCAGCCCCATGACAGCC	1431
Qy	1533	CCGAACCCCATCACGGGTGAGGACGAGCCCTACTTCCCTGAGAGGAGCCGCGCGCGCCGC	1592
Db	1432	CCGAACCCCATCACGGGTGAGGACGAGCCCTACTTCCCTGAGAGGAGCCGCGCGCGCCGC	1491
Qy	1593	ATGCTGGCCGGCTCTGTGGTGATCGTGGTGATGGTGGCCGTGGTGGTCATGTGCCTCGTG	1652
Db	1492	ATGCTGGCCGGCTCTGTGGTGATCGTGGTGATGGTGGCCGTGGTGGTCATGTGCCTCGTG	1551
Qy	1653	TCTATCATCTGTACCGTGCCATCATGGCCATCGTGGTGCCAGGTCGGGCAACACCCCTT	1712
Db	1552	TCTATCATCTGTACCGTGCCATCATGGCCATCGTGGTGCCAGGTCGGGCAACACCCCTT	1611
Qy	1713	CTCGCAGCCTGGGCCCTCTCGCATCGCCAGCCTCACGGGGTCTGTAGTGAACCTCGTCTTC	1772
Db	1612	CTCGCAGCCTGGGCCCTCTCGCATCGCCAGCCTCACGGGGTCTGTAGTGAACCTCGTCTTC	1671
Qy	1773	ATCCTCATCTCTCCAAGATCTATGTATCCCTGGCCCACGTCCTGACACGATGGGAAATG	1832
Db	1672	ATCCTCATCTCTCCAAGATCTATGTATCCCTGGCCCACGTCCTGACACGATGGGAAATG	1731
Qy	1833	CACCGCACCCAGACCAAGTTCGAGGACGCCTTACCCTCAAGTGTTTCATCTTCCAGTTC	1892
Db	1732	CACCGCACCCAGACCAAGTTCGAGGACGCCTTACCCTCAAGTGTTTCATCTTCCAGTTC	1791
Qy	1893	GTCAACTTCTACTCCTCACCCGTCTACATTGCCTTCTTCAAGGGCAGGTTTGTGGGATAC	1952
Db	1792	GTCAACTTCTACTCCTCACCCGTCTACATTGCCTTCTTCAAGGGCAGGTTTGTGGGATAC	1851
Qy	1953	CCAGGCAACTACCACACCTTGTGTTGGAGTCCGCAATGAGGAGTGCGCCGTGGAGGCTGC	2012

Db	1852		1911
Qy	2013	CTGATCGAGCTGGCACAGGAGCTCCTGGTCATCATGGTGGGCAAGCAGGTCATCAACAAC	2072
Db	1912		1971
Qy	2073	ATGCAGGAGGTCCTCATCCCGAAGCTAAAGGGCTGGTGGCAGAAGTTCGGCTTCGCTCC	2132
Db	1972		2031
Qy	2133	AAGAAGAGGAAGGCGGGAGCTTCTGCAGGGGCTAGCCAGGGGCCCTGGGAGGACGACTAT	2192
Db	2032		2091
Qy	2193	GAGCTTGTGCCCTGTGAGGGTCTGTTTGACGAGTACCTGGAATGGTGCTGCAGTTCGGC	2252
Db	2092		2151
Qy	2253	TTCGTACCATTCTTCGTGGCCGCTGTCCGCTCGCGCCGCTCTTCGCCCTGCTCAACAAC	2312
Db	2152		2211
Qy	2313	TGGGTGGAGATCCGCTTGGACGCGCGCAAGTTCGTCTGCGAGTACCGGCGCCCTGTGGCC	2372
Db	2212		2271
Qy	2373	GAGCGCGCCAGGACATCGGCATCTGGTTCCACATCCTGGCGGGCCTCACGCACCTGGCG	2432
Db	2272		2331
Qy	2433	GTCATCAGCAACGCCCTTCCTCTGGCCTTCTCGTCCGACTTCTGCGCGCGCCTACTAC	2492
Db	2332		2391
Qy	2493	CGGTGGACCCGCGCCACGACCTGCGCGGCTTCTCAACTTCACGCTGGCGCGAGCCCG	2552
Db	2392		2451
Qy	2553	TCCTCCTTCGCCGCCGCGCACAACCGCACGTGCAG-----	2587
Db	2452		2511
Qy	2588	-----	2587
Db	2512	ACTCCTCAGACACCGATTAAAGAAGGAAGAGTTTTTTTATTCGGCCGGGGCGCTCGGC	2571
Qy	2588	-----	2587
Db	2572	AGACTCGTGTCTTCAGAGCGGAGCTCGCCGAAAAGAAATCTTAGCCCTTTGAAGGGCT	2631
Qy	2588	-----GTATCGGGCTTTCCGGGA	2605
Db	2632		2691
		TACAACCTAAGGGTCTACGTGAAAGAGTCATAATAGATCAAGTATCGGGCTTTCCGGGA	

Qy	2606	TGACGATGGACATTATTCACGACCTACTGGAATCTTCTTGCCATCCGCCTGGCCTTCGT	2665
Db	2692	TGACGATGGACATTATTCACGACCTACTGGAATCTTCTTGCCATCCGCCTGGCCTTCGT	2751
Qy	2666	CATTGTGTTTG-----	2676
Db	2752	CATTGTGTTTGAGGTAGCCGAGGCACCTGCTGGTTCTCCCATCCATGGCATGAGGCCCG	2811
Qy	2677	-----	2676
Db	2812	ACCCTGTGCTTTCCTAATTCAGACACGTGGTGAGGGGTCGGTGCCGTCACCTTCCTGCTG	2871
Qy	2677	-----	2676
Db	2872	TGTCATCTTGGTCAAATCAGAGCTCTTCTCTGCACCTGCGTTTTCCCTGCCTGGCCTCAT	2931
Qy	2677	-----	2676
Db	2932	CCCTGGGTTGTGGTGTGGACATTGTGGGTGTCTCCACAGGAGCCCCAGGGCCACGAAAGC	2991
Qy	2677	-----	2676
Db	2992	TGGGGTGGCCTCTGCCCTTCTGGGGTTCCTTTCTGTCACAGCTGCTTTCTGACTCCAC	3051
Qy	2677	-----	2676
Db	3052	CCACAGCTGGGAGCAGGTGCCGAGCCCCGGCCTGCCTGGCCCTGTGAAGCCACTCTGG	3111
Qy	2677	-----AGCATGTGGTTTCTCCGTTGGCC	2700
Db	3112	GCGTTTGGGTGGGCGTGAGTGCCTTCTCTGCTCCAGCATGTGGTTTCTCCGTTGGCC	3171
Qy	2701	GCCTCTGGACCTCCTGGTGCCTGACATCCAGAGTCTGTGGAGATCAAAGTGAAGCGGG	2760
Db	3172	GCCTCTGGACCTCCTGGTGCCTGACATCCAGAGTCTGTGGAGATCAAAGTGAAGCGGG	3231
Qy	2761	AGTACTACCTGGCTAAGCAGGCACCTGGCTGAGAATGAGGTTCTTTTGGAAACGAACGGAA	2820
Db	3232	AGTACTACCTGGCTAAGCAGGCACCTGGCTGAGAATGAGGTTCTTTTGGAAACGAACGGAA	3291
Qy	2821	CAAAGGATGAGCAGCCCAAGGGCTCAGAGCTCAGCTCCCACTGGACACCTTCACGGTTC	2880
Db	3292	CAAAGGATGAGCAGCCGAGGGCTCAGAGCTCAGCTCCCACTGGACACCTTCACGGTTC	3351
Qy	2881	CCAAGGCCAGCCAGCTGCAGCAGTGACGCCTGGAAGGACATCTGGTGGTCTTAGGGGAG	2940
Db	3352	CCAAGGCCAGCCAGCTGCAGCAGTGACGCCTGGAAGGACATCTGGTGGTCTTAGGGGAG	3411
Qy	2941	TGGCCCTCCTGAGCCCTGCGAGCAGCGTCTTTCTCTTCCCTCAGGCAGCGGCTGTG	3000
Db	3412	TGGCCCTCCTGAGCCCTGCGAGCAGCGTCTTTCTCTTCCCTCAGGCAGCGGCTGTG	3471
Qy	3001	TGAACCGCTGGCTGCTGTTGTGCTCATCTCTGGGCACATTGCCTGCTTCCCCCAGCGC	3060

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Db      3472 TGAACCGCTGGCTGCTGTTGTGCCTCATCTCTGGGCACATTGCCTGCTTCCCCCAGCGC 3531
Qy      3061 CGGCTTCTCTCCTCAGAGCGCCTGTCACTCCATCCCCGGCAGGAGGAGCCGTCAGCTCA 3120
|||||
Db      3532 CGGCTTCTCTCCTCAGAGCGCCTGTCACTCCATCCCCGGCAGGAGGAGCCGTCAGCTCA 3591
Qy      3121 CAAGGCCCTCTTTGTTTCTGCTCCCAGACATAAGCCCAAGGGGCCCTGCACCCAAGGG 3180
|||||
Db      3592 CAAGGCCCTCTTTGTTTCTGCTCCCAGACATAAGCCCAAGGGGCCCTGCACCCAAGGG 3651
Qy      3181 ACCCTGTCCCTCGGTGGCCTCCCCAGGCCCTGGACACGACAGTTCTCCTCAGGCAGGTG 3240
|||||
Db      3652 ACCCTGTCCCTCGGTGGCCTCCCCAGGCCCTGGACACGACAGTTCTCCTCAGGCAGGTG 3711
Qy      3241 GGCTTTGTGGTCTCGCCGCCCTGGCCACATCGCCCTCTCCTCTTACACCTGGTGACCT 3300
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Db      3712 GGCTTTGTGGTCTCGCCGCCCTGGCCACATCGCCCTCTCCTCTTACACCTGGTGACCT 3771
Qy      3301 TCGAATGT 3308
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Db      3772 TCGAATGT 3779

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RESULT 4

US-10-450-763-15479

; Sequence 15479, Application US/10450763

; Publication No. US20050196754A1

; GENERAL INFORMATION:

; APPLICANT: Hyseq, Inc

; TITLE OF INVENTION: NOVEL NUCLEIC ACIDS AND POLYPEPTIDES

; FILE REFERENCE: 790CIP3/US

; CURRENT APPLICATION NUMBER: US/10/450,763

; CURRENT FILING DATE: 2003-06-11

; PRIOR APPLICATION NUMBER: PCT/US01/08631

; PRIOR FILING DATE: 2001-03-30

; PRIOR APPLICATION NUMBER: 09/540,217

; PRIOR FILING DATE: 2000-03-31

; PRIOR APPLICATION NUMBER: 09/649,167

; PRIOR FILING DATE: 2000-08-23

; NUMBER OF SEQ ID NOS: 60736

; SOFTWARE: Custom

; SEQ ID NO 15479

; LENGTH: 2697

; TYPE: DNA

; ORGANISM: Homo sapiens

; FEATURE:

; NAME/KEY: SIMILAR

; LOCATION: (373)..(891)

; OTHER INFORMATION: 99% homologous to unidentified cloning vector 29kD protein

; OTHER INFORMATION: essential for the replication of mini F plasmid, accession number

; OTHER INFORMATION: AB015619, Smith-Waterman Score=897.

US-10-450-763-15479

http://es.ScoreAccessWeb/GetItem.action?AppId=10552...124547_us-10-552-515-2.mpbm&ItemType=4&startByte=0 (20 of 44)10/10/2008 8:45:24 AM

Db	1137	CCTCAGTGGCGCCTTCCCCCTGCATGACGGCCCTTCAAGACGCCCCAGAGGGCCCGCA	1196
Qy	1022	GGCTCCACGCCTCAACCAGCGCCAAGTCTTTTCCAGCACTGGGCGCGCTGGGGCAAGTG	1081
Db	1197	GGCTCCACGCCTCAACCAGCGCCAAGTCTTTTCCAGCACTGGGCGCGCTGGGGCAAGTG	1256
Qy	1082	GAACAAGTACCAGCCCTGGACCACGTGCGCAGGTACTTCGGGGAGAAGGTGGCCCTCTA	1141
Db	1257	GAACAAGTACCAGCCCTGGACCACGTGCGCAGGTACTTCGGGGAGAAGGTGGCCCTCTA	1316
Qy	1142	CTTCGCCTGGCTCGGGTTTACACAGGCTGGCTCCTGCCAGCGGCAGTGGTGGGCACACT	1201
Db	1317	CTTCGCCTGGCTCGGGTTTACACAGGCTGGCTCCTGCCAGCGGCAGTGGTGGGCACACT	1376
Qy	1202	GGTGTTCCTGGTGGGCTGCTTCCTGGTGTCTCAGACATACCCACGCAGGAACGTGTGG	1261
Db	1377	GGTGTTCCTGGTGGGCTGCTTCCTGGTGTCTCAGACATACCCACGCAGGAACGTGTGG	1436
Qy	1262	CAGCAAGGACAGCTTCGAGATGTGCCCACTTTGCCTCGACTGCCCTTTCTGGCTGCTCTC	1321
Db	1437	CAGCAAGGACAGCTTCGAGATGTGCCCACTTTGCCTCGACTGCCCTTTCTGGCTGCTCTC	1496
Qy	1322	CAGCGCTGTGCCCTGGCCC-----AGGCCGGCCGGCTGTTTCGACCACGGCGG	1369
Db	1497	CAGCGCTGTGCCCTGGCCCAGGTACGAGAAGAGGCCGGCCGGCTGTTTCGACCACGGCGG	1556
Qy	1370	CACCGTGTCTTCAGCTTGTTCATGGCACTGTGGGCGGTGCTGCTGCTGGAGTACTGGAA	1429
Db	1557	CACCGTGTCTTCAGCTTGTTCATGGCACTGTGGGCGGTGCTGCTGCTGGAGTACTGGAA	1616
Qy	1430	GCGGAAGAGCGCCACGCTGGCCTACCGCTGGGACTGCTCTGACTACGAGGACACTGAGGA	1489
Db	1617	GCGGAAGAGCGCCACGCTGGCCTACCGCTGGGACTGCTCTGACTACGAGGACACTGAGGA	1676
Qy	1490	GAGGCCCTCGGCCCCAGTTTGCCGCCTCAGCCCCCATGACAGCCCCGAACCCCATCACGGG	1549
Db	1677	GAGGCCCTCGGCCCCAGTTTGCCGCCTCAGCCCCCATGACAGCCCCGAACCCCATCACGGG	1736
Qy	1550	TGAGGACGAGCCCTACTTCCCTGAGAGGAGCCGCGCGCCGCATGCTGGCCGGCTCTGT	1609
Db	1737	TGAGGACGAGCCCTACTTCCCTGAGAGGAGCCGCGCGCCGCATGCTGGCCGGCTCTGT	1796
Qy	1610	GGTGATCGTGGTGATGGTGGCCGTGGTGGTCATGTGCCTCGTGCTATCATCCTGTACCG	1669
Db	1797	GGTGATCGTGGTGATGGTGGCCGTGGTGGTCATGTGCCTCGTGCTATCATCCTGTACCG	1856
Qy	1670	TGCCATCATGGCCATCGTGGTGTCCAGGTGGGCAACACCCTTCTCGCAGCCTGGGCCCTC	1729
Db	1857	TGCCATCATGGCCATCGTGGTGTCCAGGTGGGCAACACCCTTCTCGCAGCCTGGGCCCTC	1916
Qy	1730	TCGCATCGCCAGCCTCAGGGGTCTGTAGTGAACCTCGTCTTATCCTCATCCTCTCCAA	1789
Db	1917	TCGCATCGCCAGCCTCAGGGGTCTGTAGTGAACCTCGTCTTATCCTCATCCTCTCCAA	1976

Qy	1790	GATCTATGTATCCCTGGCCACAGTCCTGACACGATGGGAAATGCACCGCACCAGACCAA	1849
Db	1977	GATCTATGTATCCCTGGCCACAGTCCTGACACGATGGGAAATGCACCGCACCAGACCAA	2036
Qy	1850	GTTTCGAGGACGCCTTACCCTCAAGGTGTTTCATCTTCCAGTTTCGTCAACTTCTACTCCTC	1909
Db	2037	GTTTCGAGGACGCCTTACCCTCAAGGTGTTTCATCTTCCAGTTTCGTCAACTTCTACTCCTC	2096
Qy	1910	ACCCGCTACATTGCCTTCTTCAAGGGCAGGTTTGTGGGATACCCAGGCAACTACCACAC	1969
Db	2097	ACCCGCTACATTGCCTTCTTCAAGGGCAGGTTTGTGGGATACCCAGGCAACTACCACAC	2156
Qy	1970	CTTGTTTGGAGTCCGCAATGAGGAGTGCAGGGCTGGAGGCTGCCTGATCGAGCTGGCACA	2029
Db	2157	CTTGTTTGGAGTCCGCAATGAGGAGTGCAGGGCTGGAGGCTGCCTGATCGAGCTGGCACA	2216
Qy	2030	GGAGCTCCTGGTCATCATGGTGGGCAAGCAGGTCATCAACAACATGCAGGAGGTCCTCAT	2089
Db	2217	GGAGCTCCTGGTCATCATGGTGGGCAAGCAGGTCATCAACAACATGCAGGAGGTCCTCAT	2276
Qy	2090	CCCGAAGCTAAAGGGCTGGTGGCAGAAGTTCGGGCTTCGCTCCAAGAAGAGGAAGGCGGG	2149
Db	2277	CCCGAAGCTAAAGGGCTGGTGGCAGAAGTTCGGGCTTCGCTCCAAGAAGAGGAAGGCGGG	2336
Qy	2150	AGCTTCTGCAGGGGCTAGCCAGGGGCCCTGGGAGGACGACTATGAGCTTGTGCCCTGTGA	2209
Db	2337	AGCTTCTGCAGGGGCTAGCCAGGGGCCCTGGGAGGACGACTATGAGCTTGTGCCCTGTGA	2396
Qy	2210	GGGTCTGTTTGACGAGTACCTGGAAATGGTGCTGCAGTTCGGCTTCGTCACCATCTTCGT	2269
Db	2397	GGGTCTGTTTGACGAGTACCTGGAAATGGGAGCAGGTTTCTGCCCAACGCGCTGCCCTGA	2456
Qy	2270	GGCCGCCTGTCCGCTCGCGCCGC	2292
Db	2457	GTTAGTTCCTGAGCTCACCAGGC	2479

RESULT 5

US-10-302-689A-129623

; Sequence 129623, Application US/10302689A

; Publication No. US20080050393A1

; GENERAL INFORMATION:

; APPLICANT: Tang, Y. Tom

; APPLICANT: Asundi, Vinod

; APPLICANT: Ballinger, Dennis

; APPLICANT: Labat, Ivan

; APPLICANT: Leshkowitz, Dena

; APPLICANT: Liu, Jin

; APPLICANT: Loeb, Deborah

; APPLICANT: Montgomery, Julia, R.

; APPLICANT: Pace, Ann M.

; APPLICANT: Sheridan, James P.

; APPLICANT: Drmanac, Radoje T.

; TITLE OF INVENTION: NOVEL NUCLEIC ACIDS AND POLYPEPTIDES

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; FILE REFERENCE: 502CIP
; CURRENT APPLICATION NUMBER: US/10/302,689A
; CURRENT FILING DATE: 2002-11-22
; PRIOR APPLICATION NUMBER: 10/273,573
; PRIOR FILING DATE: 2002-10-18
; PRIOR APPLICATION NUMBER: 10/084,643
; PRIOR FILING DATE: 2002-02-26
; PRIOR APPLICATION NUMBER: 09/989,660
; PRIOR FILING DATE: 2001-11-21
; PRIOR APPLICATION NUMBER: 10/014,487
; PRIOR FILING DATE: 2001-11-08
; PRIOR APPLICATION NUMBER: 09/952,981
; PRIOR FILING DATE: 2001-09-14
; PRIOR APPLICATION NUMBER: 09/922,279
; PRIOR FILING DATE: 2001-08-03
; PRIOR APPLICATION NUMBER: 09/905,059
; PRIOR FILING DATE: 2001-07-12
; PRIOR APPLICATION NUMBER: 09/898,888
; PRIOR FILING DATE: 2001-07-03
; PRIOR APPLICATION NUMBER: 09/919,002
; PRIOR FILING DATE: 2001-07-30
; PRIOR APPLICATION NUMBER: 09/770,160
; PRIOR FILING DATE: 2001-01-26
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 158931
; SOFTWARE: pt_SEQ_genes Version 1.0
; SEQ ID NO 129623
;   LENGTH: 2697
;   TYPE: DNA
;   ORGANISM: Homo sapiens
US-10-302-689A-129623

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Query Match 59.3%; Score 1961.8; DB 17; Length 2697;
Best Local Similarity 97.4%; Pred. No. 0;
Matches 2009; Conservative 0; Mismatches 42; Indels 12; Gaps 1;

[illegible]

Db	657	GGACAGTGGCGCCGGGACAGAAACAGACATGCACAGACCTGGCGGGAGACTTTTCTGGA	716
Qy	542	TAATCTTCGTGCGGCTGGGCTGTGTGTAGACCAGCAGGACGTCCAGGACGGGAACACCAC	601
Db	717	TAATCTTCGTGCGGCTGGGCTGTGTGTAGACCAGCAGGACGTCCAGGACGGGAACACCAC	776
Qy	602	AGTGCCTACGCCCTCCTCAGCGCCTCCTGGGCTGTGCTCTGTACTACGCCGAAGACCT	661
Db	777	AGTGCCTACGCCCTCCTCAGCGCCTCCTGGGCTGTGCTCTGTACTACGCCGAAGACCT	836
Qy	662	GCGCCTGAAGCTGCCCTTGACAGGAGTTACCCAACAGGCTCCAACTGGTCGGCCGGCCT	721
Db	837	GCGCCTGAAGCTGCCCTTGACAGGAGTTACCCAACAGGCTCCAACTGGTCGGCCGGCCT	896
Qy	722	GCTGGCATGGCTGGGCATCCCCAACGTCCTGCTGGAGGTTGTGCCAGACGTACCCCCGA	781
Db	897	GCTGGCATGGCTGGGCATCCCCAACGTCCTGCTGGAGGTTGTGCCAGACGTACCCCCGA	956
Qy	782	GTACTACTCCTGCCGTTTCAGAGTGAACAAGCTGCCACGCTTCTCGGGAGTGACAACCA	841
Db	957	GTACTACTCCTGCCGTTTCAGAGTGAACAAGCTGCCACGCTTCTCGGGAGTGACAACCA	1016
Qy	842	GGACACCTTCTTCACAAGCACCAAGAGGCACCAAAATCTGTTTGAGATCCTGGCCAAGAC	901
Db	1017	GGACACCTTCTTCACAAGCACCAAGAGGCACCAAAATCTGTTTGAGATCCTGGCCAAGAC	1076
Qy	902	CCCGTATGGCCACGAGAAGAAAAACCTGCTTGGGATCCACCAGCTGCTGGCAGAGGGTGT	961
Db	1077	CCCGTATGGCCACGAGAAGAAAAACCTGCTTGGGATCCACCAGCTGCTGGCAGAGGGTGT	1136
Qy	962	CCTCAGTGCCGCTTCCCCCTGCATGACGGCCCCCTTCAAGACGCCCCAGAGGGCCCCGA	1021
Db	1137	CCTCAGTGCCGCTTCCCCCTGCATGACGGCCCCCTTCAAGACGCCCCAGAGGGCCCCGA	1196
Qy	1022	GGCTCCACGCCTCAACCAGCGCCAAGTCCTTTTCCAGCACTGGGCGCGCTGGGGCAAGTG	1081
Db	1197	GGCTCCACGCCTCAACCAGCGCCAAGTCCTTTTCCAGCACTGGGCGCGCTGGGGCAAGTG	1256
Qy	1082	GAACAAGTACCAGCCCTTGACCACGTGCGCAGGTACTTCGGGGAGAAGGTGGCCCTCTA	1141
Db	1257	GAACAAGTACCAGCCCTTGACCACGTGCGCAGGTACTTCGGGGAGAAGGTGGCCCTCTA	1316
Qy	1142	CTTCGCCTGGCTCGGGTTTACACAGGCTGGCTCCTGCCAGCGGCAGTGGTGGGCACACT	1201
Db	1317	CTTCGCCTGGCTCGGGTTTACACAGGCTGGCTCCTGCCAGCGGCAGTGGTGGGCACACT	1376
Qy	1202	GGTGTTCCTGGTGGGCTGCTTCTCGGTGTTCTCAGACATACCCACGCAGGAACGTGTGG	1261
Db	1377	GGTGTTCCTGGTGGGCTGCTTCTCGGTGTTCTCAGACATACCCACGCAGGAACGTGTGG	1436
Qy	1262	CAGCAAGGACAGCTTCGAGATGTGCCCACTTTGCCTCGACTGCCCTTCTGGCTGCTCTC	1321
Db	1437	CAGCAAGGACAGCTTCGAGATGTGCCCACTTTGCCTCGACTGCCCTTCTGGCTGCTCTC	1496

Qy	1322	CAGCGCCTGTGCCTGGCCC-----AGGCCGGCCGGCTGTTTCGACCACGGCGG	1369
Db	1497	CAGCGCCTGTGCCTGGCCCAGGTACGAGAAGAGGCCGGCCGGCTGTTTCGACCACGGCGG	1556
Qy	1370	CACCGTGTTCCTTCAGCTTGTTTCATGGCACTGTGGGCGGTGCTGCTGCTGGAGTACTGGAA	1429
Db	1557	CACCGTGTTCCTTCAGCTTGTTTCATGGCACTGTGGGCGGTGCTGCTGCTGGAGTACTGGAA	1616
Qy	1430	GCGGAAGAGCGCCACGCTGGCCTACCGCTGGGACTGCTCTGACTACGAGGACACTGAGGA	1489
Db	1617	GCGGAAGAGCGCCACGCTGGCCTACCGCTGGGACTGCTCTGACTACGAGGACACTGAGGA	1676
Qy	1490	GAGGCCTCGGCCCCAGTTTGCCGCCTCAGCCCCCATGACAGCCCCGAACCCCATCACGGG	1549
Db	1677	GAGGCCTCGGCCCCAGTTTGCCGCCTCAGCCCCCATGACAGCCCCGAACCCCATCACGGG	1736
Qy	1550	TGAGGACGAGCCCTACTTCCTTGAGAGGAGCCGCGCGCGCCGATGCTGGCCGGCTCTGT	1609
Db	1737	TGAGGACGAGCCCTACTTCCTTGAGAGGAGCCGCGCGCGCCGATGCTGGCCGGCTCTGT	1796
Qy	1610	GGTGATCGTGGTGATGGTGGCCGTGGTGGTCATGTGCCTCGTGTCTATCATCCTGTACCG	1669
Db	1797	GGTGATCGTGGTGATGGTGGCCGTGGTGGTCATGTGCCTCGTGTCTATCATCCTGTACCG	1856
Qy	1670	TGCCATCATGGCCATCGTGGTGTCAGGTTCGGGCAACACCTTCTCGCAGCCTGGGGCTC	1729
Db	1857	TGCCATCATGGCCATCGTGGTGTCAGGTTCGGGCAACACCTTCTCGCAGCCTGGGGCTC	1916
Qy	1730	TCGCATCGCCAGCCTCAGGGGCTGTAGTGAACTCGTCTTCATCCTCATCCTCTCCAA	1789
Db	1917	TCGCATCGCCAGCCTCAGGGGCTGTAGTGAACTCGTCTTCATCCTCATCCTCTCCAA	1976
Qy	1790	GATCTATGTATCCTTGCCCCACGTCTGACACGATGGGAAATGCACCGCACCCAGACCAA	1849
Db	1977	GATCTATGTATCCTTGCCCCACGTCTGACACGATGGGAAATGCACCGCACCCAGACCAA	2036
Qy	1850	GTTTCGAGGACGCCTTCAACCTCAAGGTGTTTCATCTTCCAGTTCGTCAACTTCTACTCCTC	1909
Db	2037	GTTTCGAGGACGCCTTCAACCTCAAGGTGTTTCATCTTCCAGTTCGTCAACTTCTACTCCTC	2096
Qy	1910	ACCCGTCTACATTGCCTTCTTCAAGGGCAGGTTTGTGGGATACCCAGGCAACTACCACAC	1969
Db	2097	ACCCGTCTACATTGCCTTCTTCAAGGGCAGGTTTGTGGGATACCCAGGCAACTACCACAC	2156
Qy	1970	CTTGTTTGGAGTCCGCAATGAGGAGTGCAGGGCTGGAGGCTGCCTGATCGAGCTGGCACA	2029
Db	2157	CTTGTTTGGAGTCCGCAATGAGGAGTGCAGGGCTGGAGGCTGCCTGATCGAGCTGGCACA	2216
Qy	2030	GGAGCTCCTGGTCATCATGGTGGGCAAGCAGGTTCATCAACAATGCAGGAGGTCTCAT	2089
Db	2217	GGAGCTCCTGGTCATCATGGTGGGCAAGCAGGTTCATCAACAATGCAGGAGGTCTCAT	2276
Qy	2090	CCCGAAGCTAAAGGGCTGGTGGCAGAAGTTCGGCTTCGCTCCAAGAAGAGGAAGGCGGG	2149

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Db      2277 CCCGAAGCTAAAGGGCTGGTGGCAGAAGTTCCGGCTTCGCTCCAAGAAGAGGAAGGCGGG 2336
Qy      2150 AGCTTCTGCAGGGGCTAGCCAGGGGCCCTGGGAGGACGACTATGAGCTTGTGCCCTGTGA 2209
        |||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db      2337 AGCTTCTGCAGGGGCTAGCCAGGGGCCCTGGGAGGACGACTATGAGCTTGTGCCCTGTGA 2396
Qy      2210 GGGTCTGTTTGACGAGTACCTGGAAATGGTGCTGCAGTTCGGCTTCGTCACCATCTTCGT 2269
        ||||||||||||||||||||||||||||| || || | || | |
Db      2397 GGGTCTGTTTGACGAGTACCTGGAAATGGGAGCAGGTTTCTGCCCAACGCCTGCCCTGA 2456
Qy      2270 GGCCGCCTGTCCGCTCGCGCCGC 2292
        | | | ||| | ||
Db      2457 GTTAGTTCCTGAGCTCACCGAGC 2479

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RESULT 6

US-11-266-748A-393943

; Sequence 393943, Application US/11266748A

; Publication No. US20060134663A1

; GENERAL INFORMATION:

; APPLICANT: Harkin, Paul

; APPLICANT: Johnston, Patrick

; APPLICANT: Mulligan, Karl

; TITLE OF INVENTION: Transcriptome Microarray Technology and

; TITLE OF INVENTION: Methods of Using the Same

; FILE REFERENCE: 55815-0102 (319189)

; CURRENT APPLICATION NUMBER: US/11/266,748A

; CURRENT FILING DATE: 2005-11-03

; PRIOR APPLICATION NUMBER: EP 04105479.2

; PRIOR FILING DATE: 2004-11-03

; PRIOR APPLICATION NUMBER: EP 04105482.6

; PRIOR FILING DATE: 2004-11-03

; PRIOR APPLICATION NUMBER: EP 04105483.4

; PRIOR FILING DATE: 2004-11-03

; PRIOR APPLICATION NUMBER: EP 04105507.0

; PRIOR FILING DATE: 2004-11-03

; PRIOR APPLICATION NUMBER: EP 04105485.9

; PRIOR FILING DATE: 2004-11-03

; PRIOR APPLICATION NUMBER: EP 04105484.2

; PRIOR FILING DATE: 2004-11-03

; PRIOR APPLICATION NUMBER: US 60/662,276

; PRIOR FILING DATE: 2005-03-14

; PRIOR APPLICATION NUMBER: US 60/700,293

; PRIOR FILING DATE: 2005-07-18

; NUMBER OF SEQ ID NOS: 483996

; SOFTWARE: PatentIn version 3.3

; SEQ ID NO 393943

; LENGTH: 1000

; TYPE: DNA

; ORGANISM: Homo Sapiens

US-11-266-748A-393943

Query Match 30.2%; Score 1000; DB 21; Length 1000;

Best Local Similarity 100.0%; Pred. No. 2e-260;

Matches 1000; Conservative		0;	Mismatches	0;	Indels	0;	Gaps	0;
Qy	2309	CAACTGGGTGGAGATCCGCTTGGACGCGCGCAAGTTCGTCTGCGAGTACCGGCGCCCTGT						2368
Db	1							60
Qy	2369	GGCCGAGCGCGCCAGGACATCGGCATCTGGTTCCACATCCTGGCGGGCCTCACGCACCT						2428
Db	61							120
Qy	2429	GGCGGTCATCAGCAACGCCTTCTCTGGCCTTCTCGTCCGACTTCTGCCGCGCGCCTA						2488
Db	121							180
Qy	2489	CTACCGGTGGACCCGCGCCACGACCTGCGCGGCTTCTCAACTTCACGCTGGCGCGAGC						2548
Db	181							240
Qy	2549	CCCGTCTCTCTTCGCGCGCGCGCACAAACCGCACGTGACAGGTATCGGGCTTTCCGGGATGA						2608
Db	241							300
Qy	2609	CGATGGACATTATCCAGACCTACTGGAATCTTCTTGCCATCCGCCTGGCCTTCGTCAT						2668
Db	301							360
Qy	2669	TGTGTTTGAGCATGTGGTTTTCTCCGTTGGCCGCTCCTGGACCTCCTGGTGCTGACAT						2728
Db	361							420
Qy	2729	CCCAGAGTCTGTGGAGATCAAAGTGAAGCGGGAGTACTACCTGGCTAAGCAGGCACTGGC						2788
Db	421							480
Qy	2789	TGAGAATGAGGTTCTTTTTGGAACGAACGGAACAAAGGATGAGCAGCCCAAGGGCTCAGA						2848
Db	481							540
Qy	2849	GCTCAGCTCCCACTGGACACCTTCACGGTTCCCAAGGCCAGCCAGCTGCAGCAGTGACG						2908
Db	541							600
Qy	2909	CCTGGAAGGACATCTGGTGGTCTTAGGGGAGTGGCCCCCTCTGAGCCCTGCGAGCAGCG						2968
Db	601							660
Qy	2969	TCCTTTTCTCTTCCCTCAGGCAGCGGCTGTGTGAACCGCTGGCTGCTGTTGTGCCTCAT						3028
Db	661							720
Qy	3029	CTCTGGGCACATTGCCTGCTTCCCCCAGCGCCGGCTTCTCTCTCAGAGCGCCTGTAC						3088
Db	721							780

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Qy      3089  TCCATCCCCGGCAGGGAGGGACCGTCAGCTCACAAGGCCCTCTTTGTTTCCTGCTCCCAG 3148
          |||
Db      781  TCCATCCCCGGCAGGGAGGGACCGTCAGCTCACAAGGCCCTCTTTGTTTCCTGCTCCCAG 840

Qy      3149  ACATAAGCCCAAGGGGCCCCCTGCACCCAAGGGACCCCTGTCCCTCGGTGGCCTCCCCAGGC 3208
          |||
Db      841  ACATAAGCCCAAGGGGCCCCCTGCACCCAAGGGACCCCTGTCCCTCGGTGGCCTCCCCAGGC 900

Qy      3209  CCCTGGACACGACAGTTCTCTCTCAGGCAGGTGGGCTTTGTGGTCTCTCGCCGCCCTTGCC 3268
          |||
Db      901  CCCTGGACACGACAGTTCTCTCTCAGGCAGGTGGGCTTTGTGGTCTCTCGCCGCCCTTGCC 960

Qy      3269  ACATCGCCCTCTCTCTCTTACACCTGGTGACCTTCGAATGT 3308
          |||
Db      961  ACATCGCCCTCTCTCTCTTACACCTGGTGACCTTCGAATGT 1000

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RESULT 7

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US-11-266-748A-464989/c
; Sequence 464989, Application US/11266748A
; Publication No. US20060134663A1
; GENERAL INFORMATION:
; APPLICANT: Harkin, Paul
; APPLICANT: Johnston, Patrick
; APPLICANT: Mulligan, Karl
; TITLE OF INVENTION: Transcriptome Microarray Technology and
; TITLE OF INVENTION: Methods of Using the Same
; FILE REFERENCE: 55815-0102 (319189)
; CURRENT APPLICATION NUMBER: US/11/266,748A
; CURRENT FILING DATE: 2005-11-03
; PRIOR APPLICATION NUMBER: EP 04105479.2
; PRIOR FILING DATE: 2004-11-03
; PRIOR APPLICATION NUMBER: EP 04105482.6
; PRIOR FILING DATE: 2004-11-03
; PRIOR APPLICATION NUMBER: EP 04105483.4
; PRIOR FILING DATE: 2004-11-03
; PRIOR APPLICATION NUMBER: EP 04105507.0
; PRIOR FILING DATE: 2004-11-03
; PRIOR APPLICATION NUMBER: EP 04105485.9
; PRIOR FILING DATE: 2004-11-03
; PRIOR APPLICATION NUMBER: EP 04105484.2
; PRIOR FILING DATE: 2004-11-03
; PRIOR APPLICATION NUMBER: US 60/662,276
; PRIOR FILING DATE: 2005-03-14
; PRIOR APPLICATION NUMBER: US 60/700,293
; PRIOR FILING DATE: 2005-07-18
; NUMBER OF SEQ ID NOS: 483996
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 464989
; LENGTH: 1000
; TYPE: DNA
; ORGANISM: Homo Sapiens
US-11-266-748A-464989

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Query Match 30.2%; Score 1000; DB 21; Length 1000;
 Best Local Similarity 100.0%; Pred. No. 2e-260;
 Matches 1000; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy	2309	CAACTGGGTGGAGATCCGCTTGGACGCGCGCAAGTTTCGTCTGCGAGTACCGGGCGCCCTGT	2368
Db	1000	CAACTGGGTGGAGATCCGCTTGGACGCGCGCAAGTTTCGTCTGCGAGTACCGGGCGCCCTGT	941
Qy	2369	GGCCGAGCGCGCCAGGACATCGGCATCTGGTTCCACATCCTGGCGGGCCTCACGCACCT	2428
Db	940	GGCCGAGCGCGCCAGGACATCGGCATCTGGTTCCACATCCTGGCGGGCCTCACGCACCT	881
Qy	2429	GGCGGTCATCAGCAACGCCTTCTCTGGCCTTCTCGTCCGACTTCTGCGCGCGGCCTA	2488
Db	880	GGCGGTCATCAGCAACGCCTTCTCTGGCCTTCTCGTCCGACTTCTGCGCGCGGCCTA	821
Qy	2489	CTACCGGTGGACCGCGCCACGACCTGCGCGGCTTCTCAACTTACGCTGGCGCGAGC	2548
Db	820	CTACCGGTGGACCGCGCCACGACCTGCGCGGCTTCTCAACTTACGCTGGCGCGAGC	761
Qy	2549	CCCGTCTCTCTTTCGCGCGCGCGCACAAACGCACGTGCAGGTATCGGGCTTTCGGGATGA	2608
Db	760	CCCGTCTCTCTTTCGCGCGCGCGCACAAACGCACGTGCAGGTATCGGGCTTTCGGGATGA	701
Qy	2609	CGATGGACATTATTCCAGACCTACTGGAATCTTCTTGCCATCCGCCTGGCCTTCGTCAT	2668
Db	700	CGATGGACATTATTCCAGACCTACTGGAATCTTCTTGCCATCCGCCTGGCCTTCGTCAT	641
Qy	2669	TGTGTTTGAGCATGTGGTTTTCTCCGTTGGCCGCCTCCTGGACCTCCTGGTGCCTGACAT	2728
Db	640	TGTGTTTGAGCATGTGGTTTTCTCCGTTGGCCGCCTCCTGGACCTCCTGGTGCCTGACAT	581
Qy	2729	CCCAGAGTCTGTGGAGATCAAAGTGAAGCGGGAGTACTACCTGGCTAAGCAGGCATGGC	2788
Db	580	CCCAGAGTCTGTGGAGATCAAAGTGAAGCGGGAGTACTACCTGGCTAAGCAGGCATGGC	521
Qy	2789	TGAGAATGAGGTTCTTTTTTGAACGAACGGAACAAAGGATGAGCAGCCCAAGGGCTCAGA	2848
Db	520	TGAGAATGAGGTTCTTTTTTGAACGAACGGAACAAAGGATGAGCAGCCCAAGGGCTCAGA	461
Qy	2849	GCTCAGCTCCCACTGGACACCCTTCACGGTTCCCAAGGCCAGCCAGCTGCAGCAGTGACG	2908
Db	460	GCTCAGCTCCCACTGGACACCCTTCACGGTTCCCAAGGCCAGCCAGCTGCAGCAGTGACG	401
Qy	2909	CCTGGAAGGACATCTGGTGGTCCCTAGGGGAGTGGCCCCCTCTGAGCCCTGCGAGCAGCG	2968
Db	400	CCTGGAAGGACATCTGGTGGTCCCTAGGGGAGTGGCCCCCTCTGAGCCCTGCGAGCAGCG	341
Qy	2969	TCCTTTTCTCTTCCCTCAGGCAGCGGCTGTGTGAACCGCTGGCTGCTGTGTGCCTCAT	3028
Db	340	TCCTTTTCTCTTCCCTCAGGCAGCGGCTGTGTGAACCGCTGGCTGCTGTGTGCCTCAT	281
Qy	3029	CTCTGGGCACATTGCCTGCTTCCCCCAGCGCCGGCTTCTCTCTCAGAGCGCCTGTCAC	3088

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Db          280 CTCTGGGCACATTGCCTGCTTCCCCCAGCGCCGGCTTCTCTCCTCAGAGCGCCTGTAC 221
Qy          3089 TCCATCCCCGGCAGGGAGGGACCGTCAGCTCACAAGGCCCTCTTTGTTTCTGCTCCCAG 3148
           |||
Db          220 TCCATCCCCGGCAGGGAGGGACCGTCAGCTCACAAGGCCCTCTTTGTTTCTGCTCCCAG 161
Qy          3149 ACATAAGCCCAAGGGGCCCCCTGCACCCAAGGGACCCCTGTCCCTCGGTGGGCTCCCCAGGC 3208
           |||
Db          160 ACATAAGCCCAAGGGGCCCCCTGCACCCAAGGGACCCCTGTCCCTCGGTGGGCTCCCCAGGC 101
Qy          3209 CCCTGGACACGACAGTTCTCTCAGGCAGGTGGGCTTTGTGGTCTCGCCGCCCTTGCC 3268
           |||
Db          100 CCCTGGACACGACAGTTCTCTCAGGCAGGTGGGCTTTGTGGTCTCGCCGCCCTTGCC 41
Qy          3269 ACATCGCCCTCTCCTCTTACACCTGGTGACCTTCGAATGT 3308
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Db          40 ACATCGCCCTCTCCTCTTACACCTGGTGACCTTCGAATGT 1

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RESULT 8

US-09-957-708-19

; Sequence 19, Application US/09957708

; Publication No. US20030031678A1

; GENERAL INFORMATION:

; APPLICANT: Sun, Yongming

; APPLICANT: Recipon, Herve

; APPLICANT: Cafferkey, Robert

; APPLICANT: Ali, Shujath

; TITLE OF INVENTION: Compositions and Methods Relating to Prostate Specific

; TITLE OF INVENTION: Genes

; FILE REFERENCE: DEX-0239

; CURRENT APPLICATION NUMBER: US/09/957,708

; CURRENT FILING DATE: 2001-09-19

; PRIOR APPLICATION NUMBER: 60/233,746

; PRIOR FILING DATE: 2000-09-19

; NUMBER OF SEQ ID NOS: 40

; SOFTWARE: PatentIn Ver. 2.1

; SEQ ID NO 19

; LENGTH: 2125

; TYPE: DNA

; ORGANISM: Homo sapiens

US-09-957-708-19

Query Match 19.2%; Score 636.6; DB 3; Length 2125;

Best Local Similarity 72.8%; Pred. No. 1.2e-161;

Matches 1045; Conservative 0; Mismatches 4; Indels 386; Gaps 2;

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Qy          2260 CCATCTTCGTGGCCGCTGTCCGCTCGCGCCGCTCTTCGCCCTGCTCAACAACCTGGGTGG 2319
           |||
Db          1 CCATCTTCGTGGCCGCTGTCCGCTCGCGCCGCTCTTCGCCCTGCTCAACAACCTGGGTGG 60
Qy          2320 AGATCCGCTTGGACGCGCGCAAGTTCGTCTGCGAGTACCGGCGCCCTGTGGCCGAGCGCG 2379
           |||
Db          61 AGATCCGCTTGGACGCGCGCAAGTTCGTCTGCGAGTACCGGCGCCCGGTGGCCGAGCGCA 120

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Qy	2380	CCCAGGACATCGGCATCTGGTTCCACATCCTGGCGGGCCTCACGCACCTGGCGGTCA	2439
Db	121	CCCAGGACATCGGCATCTGGTTCCACATCCTGGCGGGCCTCACGCACCTGGCGGTCA	180
Qy	2440	GCAACGCCTTCTCTGGCCTTCTCGTCCGACTTCTGCGCGCGCCTACTACCGGTGA	2499
Db	181	GCAACGCCTTCTCTGGCCTTCTCGTCCGACTTCTGCGCGCGCCTACTACCGGTGA	240
Qy	2500	CCGCGCGCCACGACCTGCGCGGCTTCTCAACTTCACGCTGGCGCGAGCCCCGTCCTCT	2559
Db	241	CCGCGCGCCACGACCTGCGCGGCTTCTCAACTTCACGCTGGCGCGAGCCCCGTCCTCT	300
Qy	2560	TCGCCGCGCGCACAAACCGCACGTGCAGGTATCGGGCTTTCCGGGATGACGATGGACATT	2619
Db	301	TCGCCGCGCGCACAAACCGCACGTGCAGGTATCGGGCTTTCCGGGATGACGATGGACATT	360
Qy	2620	ATTCCAGACCTACTGGAATCTTCTTGCCATCCGCCTGGCCTTCGTCATTGTGTTTG---	2676
Db	361	ATTCCAGACCTACTGGAATCTTCTTGCCATCCGCCTGGCCTTCGTCATTGTGTTTGAGG	420
Qy	2677	-----	2676
Db	421	TAGCCGAGGCACCTGTGTTCTCCCATCCATGGCATGAGGCCCCGACCCTGTGCTTTGC	480
Qy	2677	-----	2676
Db	481	CTAATTCGAGCACGTGGTGAGGGGTCGGTGCCGTCACCTTCTGCTGTGTCATCTTGGTCA	540
Qy	2677	-----	2676
Db	541	AATCAGAGCTCTTCTCTGCACCTGCGTTTTCCCTGCCTGGCCTCATCCCTGGGTTGTGGT	600
Qy	2677	-----	2676
Db	601	GTGGACATTGTGGGTGTCTCCACAGGAGCCCCAGGGCCACGAAAGCTGGGGTGGCCTCTG	660
Qy	2677	-----	2676
Db	661	CCCCCTTCTGGGGTTCTTTTCTGTCACAGTGCTTTCTGACTCCACCCACAGCTGGGAGC	720
Qy	2677	-----	2676
Db	721	AGGTGCCGAGCCCCGGCCTGCCTGGCCCTGTGAAGGCCACTCTGGCGTTTGGGTGGGC	780
Qy	2677	-----AGCATGTGGTTTTCTCCGTTGGCGCCTCCTGGACCTC	2714
Db	781	GTGAGTGCTTCTCTGCTCCAGCATGTGGTTTCTCCGTTGGCGCCTCCTGGACCTC	840
Qy	2715	CTGGTGCCTGACATCCAGAGTCTGTGGAGATCAAAGTGAAGCGGGAGTACTACCTGGCT	2774
Db	841	CTGGTGCCTGACATCCAGAGTCTGTGGAGATCAAAGTGAAGCGGGAGTACTACCTGGCT	900
Qy	2775	AAGCAGGCACTGGCTGAGAATGAGGTTCTTTTGAACGAACGGAACAAAGGATGAGCAG	2834

```

Db          901 AAGCAGGCACTGGCTGAGAATGAGGTTCTTTTGGAACGAACGGAACAAAGGATGAGCAG 960
Qy          2835 CCCAAGGGCTCAGAGCTCAGCTCCCACTGGACACCCCTTCACGGTCCCAAGGCCAGCCAG 2894
Db          961 CCCGAGGGCTCAGAGCTCAGCTCCCACTGGACACCCCTTCACGGTCCCAAGGCCAGCCAG 1020
Qy          2895 CTGCAGCAGTGACGCCTGGAAGGACATCTGGTGGTCCTTAGGGGAGTGGCCCCCTCTGAG 2954
Db          1021 CTGCAGCAGTGACGCCTGGAAGGACATCTGGTGGTCCTTAGGGGAGTGGCCCCCTCTGAG 1080
Qy          2955 CCCTGCGAGCAGCGTCCTTTTCCTCTTCCCTCAGGCAGCGGCTGTGTGAACCGCTGGCT- 3013
Db          1081 CCCTGCGAGCAGCGTCCTTTTCCTCTTCCCTCAGGCAGCGGCTGTGTGAACCGCTGGCTG 1140
Qy          3014 GCTGTTGTGCCTCATCTCTGGGCACATTGCCTGCTTCCCCCAGCGCCGGCTTCTCTCCT 3073
Db          1141 GCTGTTGTGCCTCATCTCTGGGCACATTGCCTGCTTCCCCCAGCGCCGGCTTCTCTCTT 1200
Qy          3074 CAGAGCGCCTGTCACTCCATCCCCGGCAGGGAGGGACCGTCAGCTCACAAGGCCCTCTTT 3133
Db          1201 CAGAGCGCCTGTCACTCCATCCCCGGCAGGGAGGGACCGTCAGCTCACAAGGCCCTCTTT 1260
Qy          3134 GTTTCCTGCTCCAGACATAAGCCCAAGGGGCCCTGCACCCCAAGGGACCTGTCCCTCG 3193
Db          1261 GTTTCCTGCTCCAGACATAAGCCCAAGGGGCCCTGCACCCCAAGGGACCTGTCCCTCG 1320
Qy          3194 GTGGCCTCCCCAGGCCCTGGACACGACAGTTCTCCTCAGGCAGGTGGGCTTTGTGGTCC 3253
Db          1321 GTGGCCTCCCCAGGCCCTGGACACGACAGTTCTCCTCAGGCAGGTGGGCTTTGTGGTCC 1380
Qy          3254 TCGCCGCCCTTGCCACATCGCCCTCTCCTCTTACACCTGGTGACCTTCGAATGT 3308
Db          1381 TCGCCGCCCTTGCCACATCGCCCTCTCCTCTTACACCTGGTGACCTTCGAATGT 1435

```

RESULT 9

US-11-230-251-19

; Sequence 19, Application US/11230251

; Publication No. US20060019322A1

; GENERAL INFORMATION:

; APPLICANT: Sun, Yongming

; APPLICANT: Recipon, Herve

; APPLICANT: Cafferkey, Robert

; APPLICANT: Ali, Shujath

; TITLE OF INVENTION: Compositions and Methods Relating to Prostate Specific

; TITLE OF INVENTION: Genes

; FILE REFERENCE: DEX-0239

; CURRENT APPLICATION NUMBER: US/11/230,251

; CURRENT FILING DATE: 2005-09-19

; PRIOR APPLICATION NUMBER: US/09/957,708

; PRIOR FILING DATE: 2001-09-19

; PRIOR APPLICATION NUMBER: 60/233,746

; PRIOR FILING DATE: 2000-09-19

; NUMBER OF SEQ ID NOS: 40
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 19
; LENGTH: 2125
; TYPE: DNA
; ORGANISM: Homo sapiens
US-11-230-251-19

Query Match 19.2%; Score 636.6; DB 21; Length 2125;
Best Local Similarity 72.8%; Pred. No. 1.2e-161;
Matches 1045; Conservative 0; Mismatches 4; Indels 386; Gaps 2;

Qy 2260 CCATCTTCGTGGCCGCCTGTCCGCTCGCGCCGCTCTTCGCCCTGCTCAACAAC TGGGTGG 2319
|||||
Db 1 CCATCTTCGTGGCCGCCTGTCCGCTCGCGCCGCTCTTCGCCCTGCTCAACAAC TGGGTGG 60

Qy 2320 AGATCCGCTTGGACGCGCGCAAGTTCGTCTGCGAGTACCGGCGCCCTGTGGCCGAGCGCG 2379
|||||
Db 61 AGATCCGCTTGGACGCGCGCAAGTTCGTCTGCGAGTACCGGCGCCCGGTGGCCGAGCGCA 120

Qy 2380 CCCAGGACATCGGCATCTGGTTCACATCCTGGCGGGCCTCACGCACCTGGCGGTATCA 2439
|||||
Db 121 CCCAGGACATCGGCATCTGGTTCACATCCTGGCGGGCCTCACGCACCTGGCGGTATCA 180

Qy 2440 GCAACGCCTTCCTCCTGGCCTTCTCGTCCGACTTCCTGCGCGCGCCTACTACCGGTGGA 2499
|||||
Db 181 GCAACGCCTTCCTCCTGGCCTTCTCGTCCGACTTCCTGCGCGCGCCTACTACCGGTGGA 240

Qy 2500 CCCGCGCCACGACCTGCGCGGCTTCTCAACTTCACGCTGGCGCGAGCCCCGTCCTCTCT 2559
|||||
Db 241 CCCGCGCCACGACCTGCGCGGCTTCTCAACTTCACGCTGGCGCGAGCCCCGTCCTCTCT 300

Qy 2560 TCGCCGCGCGCGCACAAACCGCACGTGCAGGTATCGGGCTTTCGGGATGACGATGGACATT 2619
|||||
Db 301 TCGCCGCGCGCGCACAAACCGCACGTGCAGGTATCGGGCTTTCGGGATGACGATGGACATT 360

Qy 2620 ATTCCCAGACCTACTGGAATCTTCTTGCCATCCGCCTGGCCTTCGTATTGTGTTTG--- 2676
|||||
Db 361 ATTCCCAGACCTACTGGAATCTTCTTGCCATCCGCCTGGCCTTCGTATTGTGTTTGAGG 420

Qy 2677 ----- 2676

Db 421 TAGCCGAGGCACCTGCTGGTTCCTCCATCCATGGCATGAGGCCCGACCCTGTGCTTTGC 480

Qy 2677 ----- 2676

Db 481 CTAATTCGAGCACGTGGTGAGGGGTCGGTGCCGTCACCTCCTGCTGTGTCATCTTGGTCA 540

Qy 2677 ----- 2676

Db 541 AATCAGAGCTCTTCTCTGCACCTGCGTTTTCCCTGCCTGGCCTCATCCCTGGGTTGTGGT 600

Qy 2677 ----- 2676

Db	601	GTGGACATTGTGGGTGTCTCCACAGGAGCCCCAGGGCCACGAAAGCTGGGGTGGCCTCTG	660
Qy	2677	-----	2676
Db	661	CCCCTTCTGGGGTTCCTTTTCTGTCACAGCTGCTTTCTGACTCCACCCACAGCTGGGAGC	720
Qy	2677	-----	2676
Db	721	AGGTGCCGGAGCCCCGGCCTGCGCTGGCCCTGTGAAGGCCACTCTGGGCGTTTGGGTGGG	780
Qy	2677	-----AGCATGTGGTTTTCTCCGTTGGCCGCCCTCTGGACCTC	2714
Db	781	GTGAGTGCCTTCCTCTGCTCCCAGCATGTGGTTTTCTCCGTTGGCCGCCCTCTGGACCTC	840
Qy	2715	CTGGTGCCTGACATCCAGAGTCTGTGGAGATCAAAGTGAAGCGGGAGTACTACCTGGCT	2774
Db	841	CTGGTGCCTGACATCCCAGAGTCTGTGGAGATCAAAGTGAAGCGGGAGTACTACCTGGCT	900
Qy	2775	AAGCAGGCACTGGCTGAGAATGAGGTTCTTTTTTGAACGAACGGAACAAAGGATGAGCAG	2834
Db	901	AAGCAGGCACTGGCTGAGAATGAGGTTCTTTTTTGAACGAACGGAACAAAGGATGAGCAG	960
Qy	2835	CCCAAGGGCTCAGAGCTCAGCTCCCACTGGACACCCCTTACGGTTCCCAAGGCCAGCCAG	2894
Db	961	CCCGAGGGCTCAGAGCTCAGCTCCCACTGGACACCCCTTACGGTTCCCAAGGCCAGCCAG	1020
Qy	2895	CTGCAGCAGTGACGCCTGGAAGGACATCTGGTGGTCCTTAGGGGAGTGGCCCCCTCTGAG	2954
Db	1021	CTGCAGCAGTGACGCCTGGAAGGACATCTGGTGGTCCTTAGGGGAGTGGCCCCCTCTGAG	1080
Qy	2955	CCCTGCGAGCAGCGTCCTTTTCTCTTCCCTCAGGCAGCGGCTGTGTGAACCGCTGGCT-	3013
Db	1081	CCCTGCGAGCAGCGTCCTTTTCTCTTCCCTCAGGCAGCGGCTGTGTGAACCGCTGGCTG	1140
Qy	3014	GCTGTTGTGCCTCATCTCTGGGCACATTGCCTGCTTCCCCCAGCGCCGGCTTCTCTCCT	3073
Db	1141	GCTGTTGTGCCTCATCTCTGGGCACATTGCCTGCTTCCCCCAGCGCCGGCTTCTCTCTT	1200
Qy	3074	CAGAGCGCTGTCACTCCATCCCCGGCAGGGAGGGACCGTCAGCTCACAAGGCCCTCTTT	3133
Db	1201	CAGAGCGCTGTCACTCCATCCCCGGCAGGGAGGGACCGTCAGCTCACAAGGCCCTCTTT	1260
Qy	3134	GTTTCCTGCTCCAGACATAAGCCCAAGGGGCCCTGCACCCAAGGGACCTGTCCCTCG	3193
Db	1261	GTTTCCTGCTCCAGACATAAGCCCAAGGGGCCCTGCACCCAAGGGACCTGTCCCTCG	1320
Qy	3194	GTGGCCTCCCCAGGCCCTGGACACGACAGTTCTCCTCAGGCAGGTGGGCTTTGTGGTCC	3253
Db	1321	GTGGCCTCCCCAGGCCCTGGACACGACAGTTCTCCTCAGGCAGGTGGGCTTTGTGGTCC	1380
Qy	3254	TCGCCGCCCCTGCCACATCGCCCTCTCCTTTACACCTGGTGACCTTCGAATGT	3308
Db	1381	TCGCCGCCCCTGCCACATCGCCCTCTCCTTTACACCTGGTGACCTTCGAATGT	1435

RESULT 10

US-11-266-748A-50164

; Sequence 50164, Application US/11266748A

; Publication No. US20060134663A1

; GENERAL INFORMATION:

; APPLICANT: Harkin, Paul

; APPLICANT: Johnston, Patrick

; APPLICANT: Mulligan, Karl

; TITLE OF INVENTION: Transcriptome Microarray Technology and

; TITLE OF INVENTION: Methods of Using the Same

; FILE REFERENCE: 55815-0102 (319189)

; CURRENT APPLICATION NUMBER: US/11/266,748A

; CURRENT FILING DATE: 2005-11-03

; PRIOR APPLICATION NUMBER: EP 04105479.2

; PRIOR FILING DATE: 2004-11-03

; PRIOR APPLICATION NUMBER: EP 04105482.6

; PRIOR FILING DATE: 2004-11-03

; PRIOR APPLICATION NUMBER: EP 04105483.4

; PRIOR FILING DATE: 2004-11-03

; PRIOR APPLICATION NUMBER: EP 04105507.0

; PRIOR FILING DATE: 2004-11-03

; PRIOR APPLICATION NUMBER: EP 04105485.9

; PRIOR FILING DATE: 2004-11-03

; PRIOR APPLICATION NUMBER: EP 04105484.2

; PRIOR FILING DATE: 2004-11-03

; PRIOR APPLICATION NUMBER: US 60/662,276

; PRIOR FILING DATE: 2005-03-14

; PRIOR APPLICATION NUMBER: US 60/700,293

; PRIOR FILING DATE: 2005-07-18

; NUMBER OF SEQ ID NOS: 483996

; SOFTWARE: PatentIn version 3.3

; SEQ ID NO 50164

; LENGTH: 1567

; TYPE: DNA

; ORGANISM: Homo Sapiens

US-11-266-748A-50164

Query Match 19.1%; Score 630.4; DB 21; Length 1567;

Best Local Similarity 97.6%; Pred. No. 5.3e-160;

Matches 640; Conservative 0; Mismatches 16; Indels 0; Gaps 0;

Qy	2653	GCCTGGCCTTCGTGCTGTGTTTGAGCATGTGGTTTCTCCGTTGGCCGCTCCTGGACC	2712
Db	200	GCGTGAGTGCTTCCTCTGCTCCAGCATGTGGTTTCTCCGTTGGCCGCTCCTGGACC	259
Qy	2713	TCCTGGTGCCTGACATCCCAGAGTCTGTGGAGATCAAAGTGAAGCGGGAGTACTACCTGG	2772
Db	260	TCCTGGTGCCTGACATCCCAGAGTCTGTGGAGATCAAAGTGAAGCGGGAGTACTACCTGG	319
Qy	2773	CTAAGCAGGCACTGGCTGAGAATGAGGTTCTTTTGGAAACGAACGGAACAAAGGATGAGC	2832
Db	320	CTAAGCAGGCACTGGCTGAGAATGAGGTTCTTTTGGAAACGAACGGAACAAAGGATGAGC	379

Qy	2833	AGCCCCAAGGGCTCAGAGCTCAGCTCCCACTGGACACCCTTCACGGTTCCCAAGGCCAGCC	2892
Db	380	AGCCCCAAGGGCTCAGAGCTCAGCTCCCACTGGACACCCTTCACGGTTCCCAAGGCCAGCC	439
Qy	2893	AGCTGCAGCAGTGACGCCTGGAAGGACATCTGGTGGTCCTTAGGGGAGTGGCCCTCCTG	2952
Db	440	AGCTGCAGCAGTGACGCCTGGAAGGACATCTGGTGGTCCTTAGGGGAGTGGCCCTCCTG	499
Qy	2953	AGCCCTGCGAGCAGCGTCCTTTTCTCTTCCCTCAGGCAGCGGCTGTGTGAACCGCTGGC	3012
Db	500	AGCCCTGCGAGCAGCGTCCTTTTCTCTTCCCTCAGGCAGCGGCTGTGTGAACCGCTGGC	559
Qy	3013	TGCTGTTGTGCCTCATCTCTGGGCACATTGCCTGCTTCCCCCAGCGCCGGCTTCTCTCC	3072
Db	560	TGCTGTTGTGCCTCATCTCTGGGCACATTGCCTGCTTCCCCCAGCGCCGGCTTCTCTCC	619
Qy	3073	TCAGAGCGCCTGTCACTCCATCCCCGGCAGGGAGGGACCGTCAGCTCACAAAGCCCTCTT	3132
Db	620	TCAGAGCGCCTGTCACTCCATCCCCGGCAGGGAGGGACCGTCAGCTCACAAAGCCCTCTT	679
Qy	3133	TGTTTCTGCTCCCAGACATAAGCCCAAGGGGGCCCTGCACCCAAGGGACCTGTCCCTC	3192
Db	680	TGTTTCTGCTCCCAGACATAAGCCCAAGGGGGCCCTGCACCCAAGGGACCTGTCCCTC	739
Qy	3193	GGTGGCTCCCCAGGCCCCCTGGACACGACAGTTCTCCTCAGGCAGGTGGGCTTGTGGTC	3252
Db	740	GGTGGCTCCCCAGGCCCCCTGGACACGACAGTTCTCCTCAGGCAGGTGGGCTTGTGGTC	799
Qy	3253	CTGCGCGCCCTGGCCACATCGCCCTCTCCTCTTACACCTGGTGACCTTCGAATGT	3308
Db	800	CTGCGCGCCCTGGCCACATCGCCCTCTCCTCTTACACCTGGTGACCTTCGAATGT	855

RESULT 11

US-11-599-845A-696

; Sequence 696, Application US/11599845A

; Publication No. US20080025981A1

; GENERAL INFORMATION:

; APPLICANT: Young, Paul E.

; APPLICANT: Ebner, Reinhard

; APPLICANT: Weaver, Zoe

; APPLICANT: Strovel, Jeffrey W.

; APPLICANT: Horrigan, Stephen K.

; APPLICANT: Shea, Martin

; APPLICANT: Weigle, Bernd

; APPLICANT: Rieger, Michael

; APPLICANT: Rick, Jennifer A.

; APPLICANT: Cain, Colyn B.

; TITLE OF INVENTION: Cancer-linked Genes as Target for Chemotherapy

; FILE REFERENCE: 689290-273

; CURRENT APPLICATION NUMBER: US/11/599,845A

; CURRENT FILING DATE: 2006-11-15

; PRIOR APPLICATION NUMBER: 10/585,466

; PRIOR FILING DATE: 2005-01-04

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; PRIOR APPLICATION NUMBER: PCT/US2005/000040
; PRIOR FILING DATE: 2005-01-04
; PRIOR APPLICATION NUMBER: 10/583,832
; PRIOR FILING DATE: 2004-12-16
; PRIOR APPLICATION NUMBER: PCT/US2004/42406
; PRIOR FILING DATE: 2004-12-16
; PRIOR APPLICATION NUMBER: 10/575,337
; PRIOR FILING DATE: 2004-10-07
; PRIOR APPLICATION NUMBER: PCT/US2004/33072
; PRIOR FILING DATE: 2004-10-07
; PRIOR APPLICATION NUMBER: 10/540,310
; PRIOR FILING DATE: 2003-12-19
; PRIOR APPLICATION NUMBER: PCT/US2003/40710
; PRIOR FILING DATE: 2003-12-19
; PRIOR APPLICATION NUMBER: 10/518,039
; PRIOR FILING DATE: 2003-06-10
; PRIOR APPLICATION NUMBER: PCT/US2003/19741
; PRIOR FILING DATE: 2003-06-10
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 769
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 696
; LENGTH: 1567
; TYPE: DNA
; ORGANISM: Homo sapiens
US-11-599-845A-696

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Query Match 19.1%; Score 630.4; DB 29; Length 1567;
 Best Local Similarity 97.6%; Pred. No. 5.3e-160;
 Matches 640; Conservative 0; Mismatches 16; Indels 0; Gaps 0;

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Qy      2653 GCCTGGCCTTCGTCATTGTGTTTGAGCATGTGGTTTTCTCCGTTGGCCGCCTCCTGGACC 2712
          || || | | | | | | | | | | | | | | | | | | | | | | | | | | | |
Db      200 GCGTGAGTGCCTTCCTCTGCTCCAGCATGTGGTTTTCTCCGTTGGCCGCCTCCTGGACC 259

Qy      2713 TCCTGGTGCCTGACATCCCAGAGTCTGTGGAGATCAAAGTGAAGCGGGAGTACTACCTGG 2772
          || || || || || || || || || || || || || || || || || || || || ||
Db      260 TCCTGGTGCCTGACATCCCAGAGTCTGTGGAGATCAAAGTGAAGCGGGAGTACTACCTGG 319

Qy      2773 CTAAGCAGGCACTGGCTGAGAATGAGGTTCTTTTTGGAACGAACGGAACAAAGGATGAGC 2832
          || || || || || || || || || || || || || || || || || || || || ||
Db      320 CTAAGCAGGCACTGGCTGAGAATGAGGTTCTTTTTGGAACGAACGGAACAAAGGATGAGC 379

Qy      2833 AGCCCAAGGGCTCAGAGCTCAGCTCCCACTGGACACCCTTCACGGTTCCCAAGGCCAGCC 2892
          || || || || || || || || || || || || || || || || || || || || ||
Db      380 AGCCCGAGGGCTCAGAGCTCAGCTCCCACTGGACACCCTTCACGGTTCCCAAGGCCAGCC 439

Qy      2893 AGCTGCAGCAGTGACGCCTGGAAGGACATCTGGTGGTCCTTAGGGGAGTGGCCCTCCTG 2952
          || || || || || || || || || || || || || || || || || || || || ||
Db      440 AGCTGCAGCAGTGACGCCTGGAAGGACATCTGGTGGTCCTTAGGGGAGTGGCCCTCCTG 499

Qy      2953 AGCCCTGCGAGCAGCGTCCTTTTCTCTTCCCTCAGGCAGCGGCTGTGTGAACCGCTGGC 3012
          || || || || || || || || || || || || || || || || || || || || ||
Db      500 AGCCCTGCGAGCAGCGTCCTTTTCTCTTCCCTCAGGCAGCGGCTGTGTGAACCGCTGGC 559

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Qy 3013 TGCTGTTGTGCCTCATCTCTGGGCACATTGCCTGCTTCCCCCAGCGCCGGCTTCTCTCC 3072
 Db 560 TGCTGTTGTGCCTCATCTCTGGGCACATTGCCTGCTTCCCCCAGCGCCGGCTTCTCTCC 619

Qy 3073 TCAGAGCGCCTGTCACTCCATCCCCGGCAGGGAGGGACCGTCAGCTCACAAAGGCCCTCTT 3132
 Db 620 TCAGAGCGCCTGTCACTCCATCCCCGGCAGGGAGGGACCGTCAGCTCACAAAGGCCCTCTT 679

Qy 3133 TGTTTCTGTCTCCAGACATAAGCCCAAGGGGGCCCTGCACCCAAGGGACCTGTCCCTC 3192
 Db 680 TGTTTCTGTCTCCAGACATAAGCCCAAGGGGGCCCTGCACCCAAGGGACCTGTCCCTC 739

Qy 3193 GGTGGCCTCCCCAGGCCCTGGACACGACAGTTCTCCTCAGGCAGGTGGGCTTTGTGGTC 3252
 Db 740 GGTGGCCTCCCCAGGCCCTGGACACGACAGTTCTCCTCAGGCAGGTGGGCTTTGTGGTC 799

Qy 3253 CTCGCCGCCCTGGCCACATCGCCCTCTCCTCTTACACCTGGTGACCTTCGAATGT 3308
 Db 800 CTCGCCGCCCTGGCCACATCGCCCTCTCCTCTTACACCTGGTGACCTTCGAATGT 855

RESULT 12

US-11-443-428A-88595

; Sequence 88595, Application US/11443428A

; Publication No. US20070083334A1

; GENERAL INFORMATION:

; APPLICANT: Mintz, Liat

; APPLICANT: Xie, Hanqing

; APPLICANT: Dahari, Dvir

; APPLICANT: Levanon, Erez

; APPLICANT: Freilich, Shiri

; APPLICANT: Beck, Nili

; APPLICANT: Zhu, Wei-Yong

; APPLICANT: Wasserman, Alon

; APPLICANT: Hermesh, Chen

; APPLICANT: Azar, Idit

; APPLICANT: Bernstein, Jeanne

; TITLE OF INVENTION: METHODS AND SYSTEMS USEFUL FOR ANNOTATING BIOMOLECULAR SEQUENCES

; FILE REFERENCE: 02/23929

; CURRENT APPLICATION NUMBER: US/11/443,428A

; CURRENT FILING DATE: 2006-05-31

; NUMBER OF SEQ ID NOS: 1034312

; SOFTWARE: PatentIn version 3.1

; SEQ ID NO 88595

; LENGTH: 2352

; TYPE: DNA

; ORGANISM: Homo sapiens

US-11-443-428A-88595

Query Match 19.1%; Score 630.4; DB 26; Length 2352;

Best Local Similarity 97.6%; Pred. No. 5.8e-160;

Matches 640; Conservative 0; Mismatches 16; Indels 0; Gaps 0;

Qy	2653	GCCTGGCCTTCGTCATTGTGTTTGAGCATGTGGTTTTCTCCGTTGGCCGCTCCTGGACC	2712
Db	1005	GCGTGAGTGCCTTCCTCTGCTCCCAGCATGTGGTTTTCTCCGTTGGCCGCTCCTGGACC	1064
Qy	2713	TCCTGGTGCCTGACATCCCAGAGTCTGTGGAGATCAAAGTGAAGCGGGAGTACTACCTGG	2772
Db	1065	TCCTGGTGCCTGACATCCCAGAGTCTGTGGAGATCAAAGTGAAGCGGGAGTACTACCTGG	1124
Qy	2773	CTAAGCAGGCACTGGCTGAGAATGAGGTTCTTTTTGGAACGAACGGAACAAGGATGAGC	2832
Db	1125	CTAAGCAGGCACTGGCTGAGAATGAGGTTCTTTTTGGAACGAACGGAACAAGGATGAGC	1184
Qy	2833	AGCCCAAGGGCTCAGAGCTCAGCTCCCACTGGACACCCTTCACGGTTCCCAAGGCCAGCC	2892
Db	1185	AGCCCGAGGGCTCAGAGCTCAGCTCCCACTGGACACCCTTCACGGTTCCCAAGGCCAGCC	1244
Qy	2893	AGCTGCAGCAGTGACGCCTGGAAGGACATCTGGTGGTCCTTAGGGGAGTGGCCCTCCTG	2952
Db	1245	AGCTGCAGCAGTGACGCCTGGAAGGACATCTGGTGGTCCTTAGGGGAGTGGCCCTCCTG	1304
Qy	2953	AGCCCTGCGAGCAGCGTCCTTTTCTCTTCCCTCAGGCAGCGGCTGTGTGAACCGCTGGC	3012
Db	1305	AGCCCTGCGAGCAGCGTCCTTTTCTCTTCCCTCAGGCAGCGGCTGTGTGAACCGCTGGC	1364
Qy	3013	TGCTGTTGTGCCTCATCTCTGGGCACATTGCCTGCTCCCCCAGCGCCGGCTTCTCTCC	3072
Db	1365	TGCTGTTGTGCCTCATCTCTGGGCACATTGCCTGCTCCCCCAGCGCCGGCTTCTCTCC	1424
Qy	3073	TCAGAGCGCCTGTCACTCCATCCCCGGCAGGGAGGGACCGTCAGCTCACAAGGCCCTCTT	3132
Db	1425	TCAGAGCGCCTGTCACTCCATCCCCGGCAGGGAGGGACCGTCAGCTCACAAGGCCCTCTT	1484
Qy	3133	TGTTTCTGTCTCCAGACATAAGCCCAAGGGGCCCCGTCACCCAAGGGACCCGTCTCCCTC	3192
Db	1485	TGTTTCTGTCTCCAGACATAAGCCCAAGGGGCCCCGTCACCCAAGGGACCCGTCTCCCTC	1544
Qy	3193	GGTGGCTCCCCAGGCCCTGGACACGACAGTTCTCCTCAGGCAGGTGGGCTTTGTGGTC	3252
Db	1545	GGTGGCTCCCCAGGCCCTGGACACGACAGTTCTCCTCAGGCAGGTGGGCTTTGTGGTC	1604
Qy	3253	CTGCGCGCCCTGGCCACATCGCCCTCTCCTCTTACACCTGGTGACCTTCGAATGT	3308
Db	1605	CTGCGCGCCCTGGCCACATCGCCCTCTCCTCTTACACCTGGTGACCTTCGAATGT	1660

RESULT 13

US-10-495-663-2

; Sequence 2, Application US/10495663

; Publication No. US20040241702A1

; GENERAL INFORMATION:

; APPLICANT: THE GOVERNMENT OF THE UNITED STATES OF AMERICA AS REPRESENTED BY THE

; APPLICANT: SECRETARY OF THE DEPARTMENT OF HEALTH AND HUMAN SERVICES

; APPLICANT: Bera, Tapan K.

; APPLICANT: Wolfgang, Curt D.

```

; APPLICANT: Pastan, Ira H.
; APPLICANT: Lee, Byungkook
; APPLICANT: Vincent, James
; TITLE OF INVENTION: NEW GENE EXPRESSED IN PROSTATE CANCER AND METHODS OF USE
; FILE REFERENCE: 4239-68238-01
; CURRENT APPLICATION NUMBER: US/10/495,663
; CURRENT FILING DATE: 2004-05-12
; PRIOR APPLICATION NUMBER: PCT/US02/36648
; PRIOR FILING DATE: 2002-11-13
; PRIOR APPLICATION NUMBER: US 60/336,308
; PRIOR FILING DATE: 2001-11-14
; NUMBER OF SEQ ID NOS: 10
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 2
; LENGTH: 917
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-495-663-2

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Query Match 16.9%; Score 559; DB 10; Length 917;
 Best Local Similarity 99.5%; Pred. No. 1.2e-140;
 Matches 572; Conservative 0; Mismatches 0; Indels 3; Gaps 1;

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Qy      1 AAAAGATAGATCCTGCTCCAGGAGCCGGGAAGCCTCGCCCTGGCCAGCTGTGCTGGGCAC 60
        |||
Db      1 AAAAGATAGATCCTGCTCCAGGAGCCGGGAAGCCTCGCCCTGGCCAGCTGTGCTGGGCAC 60

Qy      61 CTCCCCTGCCTGCTTCTTGCGCCACTTGCAGGCAAGGTGAGGGCATGCGAATGGCTGCCA 120
        |||
Db      61 CTCCCCTGCCTGCTTCTTGCGCCACTTGCAGGCAAGGTGAGGGCATGCGAATGGCTGCCA 120

Qy      121 CTGCCTGGGCGGGGCTCCAAGGGCCACCCCTCCCCACCCTCTGTCCCGCAGTGAGGACGG 180
        |||
Db      121 CTGCCTGGGCGGGGCTCCAAGGGCCACCCCTCCCCACCCTCTGTCCCGCAGTGAGGACGG 180

Qy      181 GACTCTACTGCCGAGACCAGGCTCACGCTGAGAGGTGGGCCATGACCTCCGAGACCTCTT 240
        |||
Db      181 GACTCTACTGCCGAGACCAGGCTCACGCTGAGAGGTGGGCCATGACCTCCGAGACCTCTT 240

Qy      241 CCGGAAGCCACTGTGCCAGGAGCAGGATGCTGCGGCGACGGGCCAGGAAGAGGACAGCA 300
        |||
Db      241 CCGGAAGCCACTGTGCCAGGAGCAGGATGCTGCGGCGACGGGCCAGGAAGAGGACAGCA 300

Qy      301 CCGTCTGATCGATGTGAGCCCCCTGAGGCAGAGAAGAGGGGCTCTTACGGGAGCACAG 360
        |||
Db      301 CCGTCTGATCGATGTGAGCCCCCTGAGGCAGAGAAGAGGGGCTCTTACGGGAGCACAG 360

Qy      361 CCCACGCCTCGGAGCCAGGTGGACAGCAAGCGGCCGCTGCAGAGCTGGGAGTCTCTGCCA 420
        |||
Db      361 CCCACGCCTCGGAGCCAGGTGGACAGCAAGCGGCCGCTGCAGAGCTGGGAGTCTCTGCCA 420

Qy      421 AGCCCCGATCGCAGACTTCGTCTCGTTTGGGAGGAGGACCTGAAGCTAGACAGGCAGC 480
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Db      421 AGCCCCGATC---GACTTCGTCTCGTTTGGGAGGAGGACCTGAAGCTAGACAGGCAGC 477

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Qy      481 AGGACAGTGC CGCCCGGGACAGAACAGACATGCACAGGACCTGGCGGGAGACTTTTCTGG 540
        |||
Db      478 AGGACAGTGC CGCCCGGGACAGAACAGACATGCACAGGACCTGGCGGGAGACTTTTCTGG 537

Qy      541 ATAATCTTCGTGCGGCTGGGCTGTGTGTAGACCAG 575
        |||
Db      538 ATAATCTTCGTGCGGCTGGGCTGTGTGTAGACCAG 572

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RESULT 14

US-11-266-748A-284040

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; Sequence 284040, Application US/11266748A
; Publication No. US20060134663A1
; GENERAL INFORMATION:
; APPLICANT: Harkin, Paul
; APPLICANT: Johnston, Patrick
; APPLICANT: Mulligan, Karl
; TITLE OF INVENTION: Transcriptome Microarray Technology and
; TITLE OF INVENTION: Methods of Using the Same
; FILE REFERENCE: 55815-0102 (319189)
; CURRENT APPLICATION NUMBER: US/11/266,748A
; CURRENT FILING DATE: 2005-11-03
; PRIOR APPLICATION NUMBER: EP 04105479.2
; PRIOR FILING DATE: 2004-11-03
; PRIOR APPLICATION NUMBER: EP 04105482.6
; PRIOR FILING DATE: 2004-11-03
; PRIOR APPLICATION NUMBER: EP 04105483.4
; PRIOR FILING DATE: 2004-11-03
; PRIOR APPLICATION NUMBER: EP 04105507.0
; PRIOR FILING DATE: 2004-11-03
; PRIOR APPLICATION NUMBER: EP 04105485.9
; PRIOR FILING DATE: 2004-11-03
; PRIOR APPLICATION NUMBER: EP 04105484.2
; PRIOR FILING DATE: 2004-11-03
; PRIOR APPLICATION NUMBER: US 60/662,276
; PRIOR FILING DATE: 2005-03-14
; PRIOR APPLICATION NUMBER: US 60/700,293
; PRIOR FILING DATE: 2005-07-18
; NUMBER OF SEQ ID NOS: 483996
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 284040
; LENGTH: 917
; TYPE: DNA
; ORGANISM: Homo Sapiens
US-11-266-748A-284040

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Query Match      16.9%; Score 559; DB 21; Length 917;
Best Local Similarity 99.5%; Pred. No. 1.2e-140;
Matches 572; Conservative 0; Mismatches 0; Indels 3; Gaps 1;

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Qy      1 AAAAGATAGATCCTGCTCCAGGAGCCGGGAAGCCTCGCCCTGGCCAGCTGTGCTGGGCAC 60
        |||
Db      1 AAAAGATAGATCCTGCTCCAGGAGCCGGGAAGCCTCGCCCTGGCCAGCTGTGCTGGGCAC 60

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Qy 61 CTCCCCTGCCTGCTTCTTGCGCCACTTGCAGGCAAGGTGAGGGCATGCGAATGGCTGCCA 120
 Db 61 CTCCCCTGCCTGCTTCTTGCGCCACTTGCAGGCAAGGTGAGGGCATGCGAATGGCTGCCA 120

Qy 121 CTGCCTGGGCGGGGCTCCAAGGGCCACCCCTCCCCACCCTCTGTCCCGCAGTGAGGACGG 180
 Db 121 CTGCCTGGGCGGGGCTCCAAGGGCCACCCCTCCCCACCCTCTGTCCCGCAGTGAGGACGG 180

Qy 181 GACTCTACTGCCGAGACCAGGCTCACGCTGAGAGGTGGGCCATGACCTCCGAGACCTCTT 240
 Db 181 GACTCTACTGCCGAGACCAGGCTCACGCTGAGAGGTGGGCCATGACCTCCGAGACCTCTT 240

Qy 241 CCGGAAGCCACTGTGCCAGGAGCAGGATGCTGCGGCGACGGGCCAGGAAGAGGACAGCA 300
 Db 241 CCGGAAGCCACTGTGCCAGGAGCAGGATGCTGCGGCGACGGGCCAGGAAGAGGACAGCA 300

Qy 301 CCGTCTGATCGATGTGAGCCCCCTGAGGCAGAGAAGAGGGGCTCTTACGGGAGCACAG 360
 Db 301 CCGTCTGATCGATGTGAGCCCCCTGAGGCAGAGAAGAGGGGCTCTTACGGGAGCACAG 360

Qy 361 CCCACGCCTCGGAGCCAGGTGGACAGCAAGCGGCCGCTGCAGAGCTGGGAGTCTCTGCCA 420
 Db 361 CCCACGCCTCGGAGCCAGGTGGACAGCAAGCGGCCGCTGCAGAGCTGGGAGTCTCTGCCA 420

Qy 421 AGCCCCGGATCGCAGACTTCGTCCTCGTTTGGGAGGAGGACCTGAAGCTAGACAGGCAGC 480
 Db 421 AGCCCCGGATC---GACTTCGTCCTCGTTTGGGAGGAGGACCTGAAGCTAGACAGGCAGC 477

Qy 481 AGGACAGTGC CGCCCGGGAGCAGAACAGACATGCACAGGACCTGGCGGGAGACTTTTCTGG 540
 Db 478 AGGACAGTGC CGCCCGGGAGCAGAACAGACATGCACAGGACCTGGCGGGAGACTTTTCTGG 537

Qy 541 ATAATCTTCGTGCGGCTGGGCTGTGTGTAGACCAG 575
 Db 538 ATAATCTTCGTGCGGCTGGGCTGTGTGTAGACCAG 572

RESULT 15

US-11-266-748A-335469/c

; Sequence 335469, Application US/11266748A

; Publication No. US20060134663A1

; GENERAL INFORMATION:

; APPLICANT: Harkin, Paul

; APPLICANT: Johnston, Patrick

; APPLICANT: Mulligan, Karl

; TITLE OF INVENTION: Transcriptome Microarray Technology and

; TITLE OF INVENTION: Methods of Using the Same

; FILE REFERENCE: 55815-0102 (319189)

; CURRENT APPLICATION NUMBER: US/11/266,748A

; CURRENT FILING DATE: 2005-11-03

; PRIOR APPLICATION NUMBER: EP 04105479.2

; PRIOR FILING DATE: 2004-11-03

; PRIOR APPLICATION NUMBER: EP 04105482.6

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; PRIOR FILING DATE: 2004-11-03
; PRIOR APPLICATION NUMBER: EP 04105483.4
; PRIOR FILING DATE: 2004-11-03
; PRIOR APPLICATION NUMBER: EP 04105507.0
; PRIOR FILING DATE: 2004-11-03
; PRIOR APPLICATION NUMBER: EP 04105485.9
; PRIOR FILING DATE: 2004-11-03
; PRIOR APPLICATION NUMBER: EP 04105484.2
; PRIOR FILING DATE: 2004-11-03
; PRIOR APPLICATION NUMBER: US 60/662,276
; PRIOR FILING DATE: 2005-03-14
; PRIOR APPLICATION NUMBER: US 60/700,293
; PRIOR FILING DATE: 2005-07-18
; NUMBER OF SEQ ID NOS: 483996
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 335469
; LENGTH: 917
; TYPE: DNA
; ORGANISM: Homo Sapiens
US-11-266-748A-335469

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Query Match 16.9%; Score 559; DB 21; Length 917;
 Best Local Similarity 99.5%; Pred. No. 1.2e-140;
 Matches 572; Conservative 0; Mismatches 0; Indels 3; Gaps 1;

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Qy      1 AAAAGATAGATCCTGCTCCAGGAGCCGGGAAGCCTCGCCCTGGCCAGCTGTGCTGGGCAC 60
      |||
Db      917 AAAAGATAGATCCTGCTCCAGGAGCCGGGAAGCCTCGCCCTGGCCAGCTGTGCTGGGCAC 858

Qy      61 CTCCCCTGCCTGCTTCTTGCGCCCACTGCAAGGAAGGTGAGGGCATGCGAATGGCTGCCA 120
      |||
Db      857 CTCCCCTGCCTGCTTCTTGCGCCCACTGCAAGGAAGGTGAGGGCATGCGAATGGCTGCCA 798

Qy      121 CTGCCTGGGCGGGGCTCCAAGGGCCACCCCTCCCCACCTCTGTCCGCGAGTGAGGACGG 180
      |||
Db      797 CTGCCTGGGCGGGGCTCCAAGGGCCACCCCTCCCCACCTCTGTCCGCGAGTGAGGACGG 738

Qy      181 GACTCTACTGCCGAGACAGGCTCACGCTGAGAGGTGGGCCATGACCTCCGAGACCTCTT 240
      |||
Db      737 GACTCTACTGCCGAGACAGGCTCACGCTGAGAGGTGGGCCATGACCTCCGAGACCTCTT 678

Qy      241 CCGGAAGCCACTGTGCCAGGAGCAGGATGCTGCGGCGCAGGGCCCAGGAAGAGGACAGCA 300
      |||
Db      677 CCGGAAGCCACTGTGCCAGGAGCAGGATGCTGCGGCGCAGGGCCCAGGAAGAGGACAGCA 618

Qy      301 CCGTCTTGATCGATGTGAGCCCCCTGAGGCAGAGAAGAGGGGCTCTTACGGGAGCACAG 360
      |||
Db      617 CCGTCTTGATCGATGTGAGCCCCCTGAGGCAGAGAAGAGGGGCTCTTACGGGAGCACAG 558

Qy      361 CCCACGCCTCGGAGCCAGGTGGACAGCAAGCGGCCGCTGCAGAGCTGGGAGTCTTGCCA 420
      |||
Db      557 CCCACGCCTCGGAGCCAGGTGGACAGCAAGCGGCCGCTGCAGAGCTGGGAGTCTTGCCA 498

Qy      421 AGCCCCGGATCGCAGACTTCGTCCTCGTTTGGGAGGAGGACCTGAAGCTAGACAGGCAGC 480

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Db          497 AGCCCCGGATC---GACTTCGTCTCGTTTGGGAGGAGGACCTGAAGCTAGACAGGCAGC 441
               |||
Qy          481 AGGACAGTGCCGCCCGGGACAGAACAGACATGCACAGGACCTGGCGGGAGACTTTTCTGG 540
               |||
Db          440 AGGACAGTGCCGCCCGGGACAGAACAGACATGCACAGGACCTGGCGGGAGACTTTTCTGG 381
               |||
Qy          541 ATAATCTTCGTGCGGCTGGGCTGTGTGTAGACCAG 575
               |||
Db          380 ATAATCTTCGTGCGGCTGGGCTGTGTGTAGACCAG 346
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 Job time : 8242 secs

SCORE 3.0